Oil, Paint and Drug Reporter

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Volume 133 | MARCH 21, 1938 | Number 12

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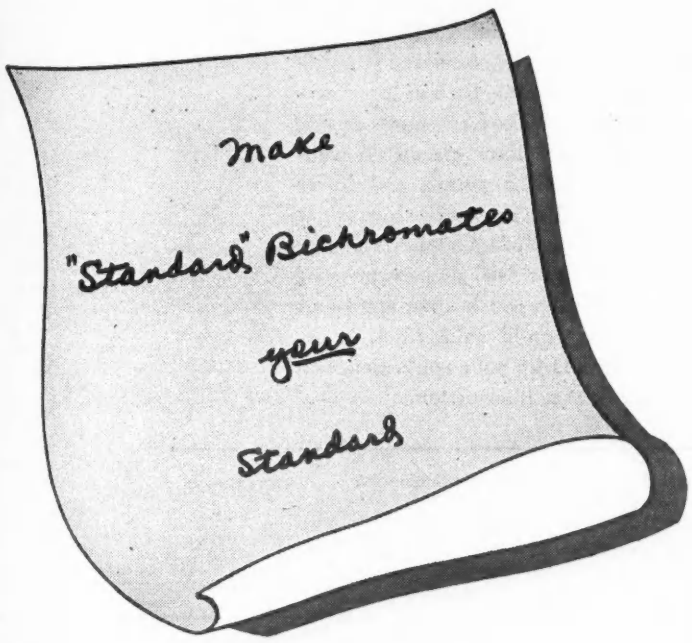

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(*Bibliography on request)

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 133 MARCH 21, 1938 Number 12

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Chlorine Producers Deny Price-Fixing

OPD Washington Bureau
March 17, 1938

Eight of the nine liquid chlorine manufacturing companies named by the Federal Trade Commission in its complaint have filed answers denying that they ever have been, or are now, participating in a price-fixing scheme.

The nine concerns named as respondents in the F.T.C. complaint are the Belle Alkali Company, the Columbia Alkali Corporation, the Diamond Alkali Company, the Electro Bleaching Gas Company, the Hooker Electrochemical Company, Mathieson Alkali Works, the Monsanto Chemical Company, the Pennsylvania Salt Manufacturing Company, and the Solvay Sales Corporation. All but the Columbia Alkali Corporation have filed their answers to the complaint, which charged that the companies, in 1931, entered into a combination by which they have fixed and maintained uniform, enhanced prices on liquid chlorine.

All the concerns which have prepared answers deny that they have ever been parties to such a combination, and declare that price competition has always existed among them. A number of the answers also point out that their combined production of liquid chlorine does not represent the large percentage of total United States production which the commission attributed to them in its complaint.

Carbon Dioxide Rules Approved by F.T.C.

OPD Washington Bureau
March 19, 1938

Trade practice rules of the carbon dioxide manufacturing industry are promulgated by the Federal Trade Commission today under its trade practice conference procedure.

A set of rules was adopted by the industry early in 1937, and these were published by the Federal Trade Commission a year ago today for the presentation of views on revision or acceptance. The matter was subsequently taken under further consideration, and the commission has now approved nineteen rules of the customary group I category and has received and promulgates as expressions of the industry eight rules of the group II type. These rules, in both groups, cover the sale and distribution of carbon dioxide in all its forms, regardless of the uses to which it is or may be put.

In promulgating the rules the commission says that the carbon dioxide manufacturing industry has a total invested capital of approximately $25,000,000, and that the annual value of its sales is estimated at $10,000,000.

The group I rules define as unfair trade practices the following:—

Willfully and deceptively inducing or attempting to induce breach of a contract.
Deceptively getting information about a competitor and wrongfully using this to interfere unduly with competition.
Defamation of competitors.
Concerted or coercive action interfering with a competitor's freedom of purchase or sale.
Imitation of marks of identification.
False or deceptive branding.
Unauthorized and deceptive use of a competitor's containers.
Misrepresentation in advertising or otherwise.
Discriminatory rebates discounts, or other price differentials.
Payment or acceptance of unearned brokerage fees and similar commissions.
Discriminatory allowances for advertising or promotion.
Discrimination in services or facilities.
Violation of the Robinson-Patman act.
Misuse of consignment practices so as to interfere with competition.
Misrepresentation of "free" goods.
Commercial bribery.
Prize lottery schemes.
Forced combination purchases.
Falsification of sales records.
Selling below cost to the injury of a competitor.

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Fair Trade in D.C. Advocated in House

OPD Washington Bureau
March 15, 1938

A bill (H.R. 9873) to establish a fair trade act for retail price-maintenance within the District of Columbia was introduced in the house today by Representative Vincent L. Palmisano of Maryland.

The bill is similar to the fair trade laws of many States and permits resale price-maintenance on branded or trademarked articles in competition with commodities of the same general class produced by others, through contracts fixing minimum resale prices.

The bill was referred to the Committee on the District of Columbia.

Trademark Law Revision Argued

OPD Washington Bureau
March 17, 1938

Complete revision of the Federal trademark laws is being considered by a subcommittee of the house committee on patents, which held hearings this week on a bill (H.R. 9041) introduced by Representative Fritz Lanham of Texas. The bill would adopt a trademark system similar to that used by many foreign countries and would bring United States law into conformity with the International Trademark Agreement.

One of its provisions would permit a trademark to be registered at the time its use was begun instead of the present practice of requiring use for a certain period before a mark may be registered. Another provision would permit registration of a group mark, such as that used by a trade association or a union label; while other provisions would permit the sale or assignment of trademarks between companies. Some witnesses declared it would also make the Federal trademark law supreme over State registration laws, thus preventing the growth of a series of conflicting and costly State registration requirements.

The general principles of the Lanham bill were endorsed by most of the witnesses appearing before the subcommittee, chiefly trademark attorneys, who discussed the technical provisions of the bill in considerable detail. Among these were Edward S. Rogers, chairman of the patent, trade mark, and copyright committee of the American Bar Association; Henry D. Williams, chairman of the similar committee of the New York Lawyers Association; and John A. Diener, of the Chicago Patent Lawyers Association.

Joseph E. Keller, representing the Pennsylvania Grade Crude Oil Association, urged favorable consideration of the provision for collective mark registration. The bill was opposed by L. H. Thompson, of Thompson & Thompson, Boston law firm, who felt that slight further amendment of the existing law was a preferable procedure.

Trademark Bill In N.Y. Assembly

Albany, Mar. 17, 1938

Compulsory registration of trademarks for a $25 fee is asked in a bill (No. 2362), which was introduced in the assembly March 12 by Edward S. Moran. The bill, which has been referred to the rules committee, is the same bill introduced by Representative Moran last year, with the date of taking effect and certain clerical errors corrected. The bill of 1937 was No. 1792, printed No. 2738. Registration would be in perpetuity and all trademarks previously registered under the present law would be protected in their registration.

British Tariff Bargain Rouses Much Opposition

OPD Washington Bureau
March 17, 1938

Much opposition, mingled with some support, was expressed by more than one hundred witnesses speaking on the proposed tariff bargain with the United Kingdom at hearings held all this week by the Committee for Reciprocity Information.

The first two days of the week were devoted to members of Congress, governors of States, and others speaking on general aspects of the trade agreement program, and in the remainder of the week the hearings were divided into four commodity sections, some of which will continue during next week.

A large number of witnesses urged that duty reductions be made only on the basis of equalizing foreign and domestic costs of production, but at the same time the Department of State made public a letter from Secretary Hull to New England members of Congress in which he declared that cost data, as well as other relevant factors, are considered in making duty reductions but said that "To adopt the cost-of-production formula as the sole criteria in connection with further trade agreement negotiations would, for all practical purposes, amount to a virtual suspension of the trade agreement program."

Testimony offered at the various commodity sections of the hearing included the following:—

Gum Turpentine

Removal of trade barriers against gum turpentine was urged by H. Langdale, representing the American Turpentine Association, Valdosta, Ga. Mr. Langdale told the committee that more than 50 percent of United States production of turpentine depends on exports for a market, and pointed out that the present British tariff amounting to about 16 cents per gallon, presents a serious obstacle in selling to consumers in the United Kingdom. A member of the committee asked if the association had given any consideration to the possibility of substitution of an ad valorem duty for the present flat rate, and Mr. Langdale replied that it had not. W. E. Spiers, representing the same association, testified briefly, urging that the British duty be removed.

Manganese

The American Manganese Producers Association, through its president, J. Carson Adkerson, asked the committee not to bind the present United States duty on manganese to the United Kingdom under this agreement. He pointed out that the duty was reduced by 50 percent in the trade agreement with Brazil. Mr. Adkerson declared that an American manganese industry is essential for national defense in case supplies from abroad should be cut off.

—*Continued on page 40*

Dr. S. Temple Wins Schoellkopf Medal

Dr. Sterling Temple, chemical director of the Roessler & Hasslacher chemicals department of E. I. du Pont de Nemours & Company, Niagara Falls, N. Y., has been awarded the Jacob F. Schoellkopf gold medal of the western New York section of the American Chemical Society "for distinguished service rendered to the section through directorship in chemical research."

Jane Hardcastle
Dr. Sterling Temple

Dr. Temple was born in Morristown, Minn., in 1882, and was graduated from Hamline University, St. Paul, in 1905 with the bachelor of arts degree. He received his master's degree the following year. He took the doctor of philosophy degree at the University of Minnesota in 1915. In 1934 Hamline University conferred upon him the honorary degree of doctor of science.

In 1916 Dr. Temple went to Niagara Falls to extend experiments begun by the Oldbury Electro-Chemical Company on the manufacture of phosgene. The first experiments had produced about 100 grams, but Dr. Temple developed a unit capable of producting phosgene in 100-pound lots. Additional units were constructed, leading to the first large scale production of phosgene in this country. He was general operating superintendent of the phosgene plant during the World War, and became a major in the chemical warfare service in 1918. He also aided in large scale production of mustard gas.

In 1919 Dr. Temple became research chemist for the Roessler & Hasslacher Chemical Company in Perth Amboy, N. J., and within ten years was appointed director of its chemical division. When the company was acquired by the du Pont organization in 1930, Dr. Temple was retained as chemical director, and in 1931 was transferred to Niagara Falls.

Czech Tariff Bargain Officially Proclaimed

OPD Washington Bureau
March 15, 1938

President Roosevelt today proclaimed the tariff bargain between the United States and Czechoslovakia to become provisionally effective April 16, and directed the Secretary of the Treasury to put into effect the reduced duties carried in the agreement.

As in the case of other tariff bargains, the duty reductions granted to Czechoslovakia are to be generalized to the products of all other nations giving the United States most-favored-nation treatment. The President directed that this include the products of Denmark and Portugal until further notice, but it is not to apply to products of Germany because the President finds that the treatment of American commerce by Germany is discriminatory.

The reduced duties are to apply to the products of all other countries, and this list includes the name of Austria, although it was issued on the same day that the German ambassador informed the Department of State that Austria is no longer a separate nation but is now a part of Germany. It therefore appears that the matter of tariff treatment of imports from Austria is a question to be decided in the future.

Closing Market Developments

Tin Salts Steady

Tin derivatives closed the week unchanged from the preceding period. Soda stannate was 28c. to 31c. per pound; anhydrous tetrachloride of tin 21¼c. per pound; tin crystals 33½c. to 34c. per pound, and tin oxide at 47c. to 49c. per pound. Straits tin was quoted at 41¼c. per pound.

1938 Crop Areas

Farmers' planting intentions on March 1 with respect to the flaxseed crop in 1938 pointed to an area of 1,112,000 acres, showing a decrease of 14.6 percent as compared with the area planted in 1937, according to an official report issued late last Friday.

The indicated soybean area for 1938 is 5,906,000 acres, a decrease of 3.8 percent compared with 1937.

The indicated corn area for 1938 is 94,595,000 acres, a decrease of 2 percent from 1937.

Paraffin Wax Lower

Offerings of white scale paraffin wax were reported quite freely at the close of the week at 1.90c. per pound against 1.95c. per pound earlier in the week.

Carbide & Carbon Plans Plant in Texas City

The Carbide and Carbon Chemicals Corporation, a unit of the Union Carbide and Carbon Corporation, has announced the purchase of a tract of land for the construction of a chemical plant in Texas city, Texas. The site is located between the properties of the Pan American Refining Corporation and the Southern Pacific Railway. There is no date set for the start of construction. The other principal plants of the Carbide and Carbon Chemicals Corporation are located in South Charleston, W. Va., and Whiting, Ind.

British Chemical Ass'n Awards Moulton Medals

London, Mar. 14, 1938

The British Institution of Chemical Engineers has awarded the Moulton medal to M. B. Donald, lecturer in chemical engineering at the London University, for a paper on "Percolation Leaching in Theory and Practice." The Osborne Reynolds medal has been awarded to C. S. Garland for his unceasing interest in the advancement of the institution's affairs.

The junior Moulton medal goes to W. H. A. Webb, for a paper on "Industrial Alcohol." The William Macnab medal is awarded to M. J. van der Zijden, of Amsterdam, for the best set of examination papers in the associate membership examination. The medals were presented by Dr. William Cullen, president.

Foreign Tariff Rules

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Drugs:—Manila has set up a new schedule of license fees which is based upon the volume of business done and affects all types of retail business. Formerly the license fee was fixed at a maximum of 500 pesos per annum. Under the new schedule dealers in drugs, medicines, perfumeries and other toilet articles must pay 375 pesos per quarter or 1,500 pesos per annum of gross sales exceed 125,700 pesos per quarter.

Fertilizers:—The quantities of fertilizers which may be imported duty-free into Italy during the seven-month period ending June 30, 1938, have been increased by 25,000 metric tons for calcium nitrate and 20,000 tons for ammonia sulphate.

Films:—Chile has increased the import duty on motion picture films, positive or negative, from 18.80 to 25 gold pesos per legal kilogram.

Lead, Tetraethyl:—A Uruguayan decree has included tetra-ethyl of lead and preparations with a base of this product, for use in the manufacture of ethylated gasoline within the raw-materials section of tariff, dutiable at 25 percent, plus a surtax of 21 percent of the c.i.f. Montevideo value.

Minerals:—A Turkish decree has been published providing that minerals must be licensed for export.

Chemical Prices Again Reduced

A variety of reductions sent the price average of the markets for heavy and fine chemicals still lower last week. Paint materials, pharmaceuticals, and organic fertilizers were chiefly affected.

More good spots were noticeable in trading in these markets as a whole, and the general sentiment showed some improvement. Transatlantic and congressional developments were major influences, but their effects were somewhat in opposition. Buying did not become anticipatory, however.

Prices were advanced on tartaric acid and on feeding tankage at Chicago. Prices were reduced on red and yellow cadmium lithopones, gum rosin, gum turpentine, bonedry,, TN, and superfine shellacs, several Batavia dammars, codliver oil, santonin, methylacetone, imported silicofluoride of soda, zinc dust, dicalcium phosphate, imported dried blood, steamed bone, and nitrogenous fertilizer stuff, and Japanese sardine scrap.

The REPORTER'S composite index number of prices for heavy and fine chemicals receded to 126.3 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 89.4, compared with 9ʊ.0 at this time last year.

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Dr. White Chosen For Eli Lilly Award

Dr. Abraham White assistant professor of physiological chemistry in Yale University, has been chosen by the American Chemical Society to receive the $1,000 Eli Lilly & Co. award in biological chemistry for 1938. The honor goes to Dr. White for his work on sulphur metabolism and protein hormones.

Dr. White recently isolated from tissue of the anterior pituitary gland a crystalline protein having high lactogenic activity, and has also carried on research in the chemistry of insulin. The prize and a bronze medal will be presented to Dr. White at the opening session of the society's ninety-fifth meeting in Dallas, Tex., April 18. He will read a scientific paper on "Protein Hormones" before a symposium of the society, April 20.

Dr. Abraham White

Born in Cleveland, Ohio, in 1908. Dr. White was graduated from the University of Denver with the B.A. degree in 1927, and took the M.A. degree from the same institution in 1928. He received the Ph.D. degree from the University of Michigan in 1931. He was appointed instructor at Yale in 1933 and became assistant professor in 1937.

Eli Lilly and Company, manufacturer of pharmaceuticals and biologicals, Indianapolis, Ind., was founded sixty-two years ago. Eli Lilly, grandson of the founder, is now president.

Du Pont Co. Business Shows Seasonal Gain

Business of E. I. du Pont de Nemours & Co. is improving, Lammot du Pont, president, told stockholders at the annual meeting March 14. He added, however, that the March business of the company usually runs about 8 percent ahead of January and February. Mr. du Pont stated that the pigments division of the company was going ahead, and the rayon, cellophane, and textile divisions were also more active. Mr. du Pont would not estimate the extent of the March increase in business over the previous two months.

Mr. du Pont stated that expenditures for additions to present plants or for new units during 1938 would approximate $35,000,000, not including $1,800,000 maintenance and repairs. This, Mr. du Pont stated, compared with an expenditure of approximately $50,000,000 in 1937. February payrolls showed about 50,000 employees, he said. This compared with 52,000 at the close of 1937 and 57,000 in February, 1937. Directors were re-elected.

When askeed what caused improvement in the rating of the ammonia department, as shown in annual report, Mr. du Pont replied it was due primarily to fact it was a new department, that is not more than ten or twelve years old, and that the departments it passed were older explaining that volume of business in the newer divisions of the company held up generally better than business from the older divisions, although they were all hit in the recession. Mr. du Pont, referring to inventories, said management was watching its inventory problem all the time and that while inventories at present were large, this was due entirely to the dropping off in volume of business.

Naval Stores Group Gets $7,000,000 Loan

OPD Washington Bureau
March 17, 1938

A program of government loans to producers of gum naval stores during the current producing season was announced today by the Commodity Credit Corporation and the Agricultural Adjustment Administration.

A total of $7,000,000 has been made available by the CCC for this program, and loans will be made only to the American Turpentine Farmers Association, Cooperative, upon gum rosin and gum turpentine produced by its members and pledged as collateral. The loans will be made at a base rate of $5.75 per 280 pounds of medium-grade rosin, and at 26 cents per gallon in barrels for turpentine, based on a unit price of $46.35. While this is slightly above the current market price, which is approximately $41.50 per naval stores unit, it is lower than the amount asked by the producers' association, and officials declare that they are confident that the market price will soon rise above the stated loan value.

In addition, producers are required to contribute 65 cents per barrel of turpentine and 65 cents per barrel of rosin, either as cash collateral or as an addition to the base amount of the loan. Loans are to be made without recourse, so that, if the market price falls below the amount of the loans, the producer may forfeit his collateral without further obligation to the government. The loans will bear interest at 4 percent and will normally be for ten months. The lending program will start with the beginning of production in April and will terminate September 30, this year.

All loans will be made in the name of the cooperative association and for the benefit of its members only. In addition, no producer may qualify for a loan on his product unless he has complied fully with the provisions of the 1938 naval stores conservation program, which prohibits production from trees below a certain size. A further condition is that the association work out a marketing arrangement whereby the naval stores pledged as collateral, whether or not taken over by the Commodity Credit Corporation, will be marketed along with other naval stores in an orderly manner somewhat after the fashion currently being used to dispose of the stocks still owned by the CCC as a result of its 1934 lending program.

The total amount of the loan is to

—*Continued on page* 31

Drug Bill Report Almost Completed

OPD Washington Bureau
March 17, 1938

The house committee on interstate and foreign commerce has reached a virtually final agreement on a revised form of the Copeland food and drug bill (S. 5) and probably will report it to the house by the middle of next week.

The committee has made a large number of changes in the draft submitted to it by its subcommittee and known as "Committee Print No. 4," and the legislative drafting service is at present engaged in perfecting the language of the amendment.

One more meeting of the full committee will be held before the bill is formally reported, and it is understood that at this time some members wish to give further consideration to the two paragraphs on whisky in the section covering misbranded foods. In addition to other provisions relating to distilled liquors, these sections as carried in the latest committee print would prevent the use of alcohol derived from any source other than grain in any product labeled as whisky.

Borate Patent Denied

OPD Washington Bureau
March 14, 1938

The United States Court of Customs and Patent Appeals has upheld the United States Patent Office in denying to Fred R. Johnson and Frederick W. Corkill a patent for a stable borate and the process of producing it from hydrous boron-bearing natural ores.

The decision rejects thirty-eight claims—seven claims were previously cancelled—and the court found that the application presented no improvements over the prior art as exemplified in a British and a French patent.

The process comprises separating impurities from the ore by means of a magnetical and mechanical separator as a first step, and the purified ore is then heated at a temperature of from 230° to 250° F. to produce a "purified and stable borate substantially equivalent to octohedral borax."

Drug Advertising Control Vested in F.T.C. by Congress

OPD Washington Bureau
March 14, 1938

The senate today accepted the conference report on the Wheeler-Lea bill (S. 1077) to enlarge the powers of the Federal Trade Commission and give it jurisdiction over the advertising of foods, drugs, cosmetics, and therapeutic devices. The conference agreement has already been accepted by the house and the bill now goes to President Roosevelt for signature.

The only opposition to the conference report came from Senator Royal S. Copeland of New York, who declared that control of advertising of foods, drugs, cosmetics and therapeutic devices should be lodged with the Food and Drug Administration through amendments to the food and drugs act as provided in two Copeland bills passed by the senate in different Congresses. He admitted, however, that he had no hope of having the senate sustain this position because of the overwhelming vote in the house in favor of the Federal Trade Commission, and he confined most of his remarks to what he considered to be a weakening of the commission's powers over advertising of other commodities than the four singled out for special mention. He contended that the language giving the commission special jurisdiction over advertising of these four commodities was so phrased as to deny it any jurisdiction whatever over advertising of other commodities.

Senator Burton K. Wheeler of Montana, the author of the bill, insisted that Senator Copeland was mistaken in his interpretation. He declared that section 5 of the commission's organic act, while not mentioning advertising specifically, gives the commission authority over advertising, which it is exercising at the present time, and that the new bill instead of weakening this section strengthens it by extending it to all advertising which is unfair or deceptive as well as that which constitutes an unfair trade practice. He explained that the bill is more strict with the advertising of foods, drugs, devices, and cosmetics because their effect is direct and their use might endanger life, so the bill provides for injunctions and penalties, but in regard to the advertising of other commodities the commission will proceed in its customary manner of filing a complaint, holding hearings and issuing a cease and desist order.

Senator Copeland criticized the procedure of the Federal Trade Commission as being slow and ineffective, and declared that since the Federal Trade Commission act was an antitrust measure, whereas the food and drugs act was a law for consumer protection, amendments relating to advertising logically belong on the latter measure. He declared that the Federal Trade Commission will have to duplicate the technical staff of the Food and Drug Administration, and that it will be unable to give the consumer sufficient protection.

Sponge Ass'n Denies Monopoly Charges

OPD Washington Bureau
March 16, 1938

Representatives of the Sponge Institute, Washington, D. C., appeared before a Federal Trade Commission trial examiner this week to defend their organization against the commission's charges of restraint of trade and monopoly in the Florida sponge business.

A complaint issued by the FTC had charged that members of the Florida Sponge Packers Association, Tarpon Springs, Fla., had entered into an agreement with the institute to sell their goods only to purchasers designated by the institute as "bona fide sponge houses," and members of the institute cooperated by buying only from sponge packers who had entered the agreement.

Theodore Schroeder, St. Louis, president of the Sponge Institute, explained that during the depression sales of sponges declined 50 or 60 percent, and that in order to keep the industry from complete demoralization a number of sponge houses formed a temporary organization to buy sponges and arrange for their storage until the market should improve. At the same time, he said, he encourage sponge packers to sell their sponges to wholesalers and regularly organized sponge dealers. This plan, he declared, was his individual effort, and not an official act of the institute.

Testimony brought out the fact that the membership of the institute comprises only a small part of the industry, a fact which would make it impossible, Mr. Schroeder said, for the organization to monopolize the sponge trade had it wanted to. With the end of this week's hearing the taking of evidence in the case, it is believed, will be completed.

Wood Chemicals Conservation Asked

OPD Washington Bureau
March 14, 1938

In a special message to Congress today, President Roosevelt recommended the immediate creation of a joint committee of Congress to study the forest land problem of the United States, looking to legislation in 1939 to promote conservation.

The President referred to the chemical products of forests and declared that these should be considered in connection with lumber products in studying the need for conservation. He pointed out that most of the commercial forest lands are in private ownership and declared that a study should be made of Federal and State legislation which may be advisable to insure that timber cropping on privately owned forest lands may be conducted as continuous operations and also of the need for such other public regulatory controls as will adequately protect private as well as the broad public interests in all forest lands.

In his message the President declared:—

Wood is rich in chemicals. It is the major source of cellulose products such as rayon, movie film, cellophanes, sugars of certain kinds, surgical absorbents, drugs, lacquers, phonograph records. Turpentine, rosin, acetate, acetic acid, and alcohols are derived from wood. Our forest budget should, therefore, be balanced in relation to present and future needs for such things as these. It should also be balanced in relation to the many public services that forests render and to the need for stabilizing dependent industries and communities locally, regionally and nationally. I am informed, for example, that more than $100,000,000 has recently gone into development of additional forest industries in the southeastern section of our country. This means still more drain from southern forests.

Drug and cosmetic bill (H.B. 524) has been passed by the lower house of the Virginia legislature. It follows the pending Federal bill (S. 5) in large extent with respect to adulteration, misbranding, and false advertising.

George B. Heckel Honored At Dinner by 200 Friends

Two hundred widely rerpesentative members of the paint, varnish, and lacquer industry—all "nephews" of the celebrant—gathered in the Waldorf-Astoria, this city, the evening of March 11 to celebrate the eightieth birthday of "Uncle George" Heckel and to give recognition to his many achievements.

The ceremonies were of broad variety. They opened with a cocktail hour, in the course of which "Uncle George's" fingers were cramped by two hundred hearty handclasps and his ears tingled and his face reddened with the overwhelming encomiums voiced by the multitude of his friends.

Subsequently the host of hosts was assembled at the dinner tables under the guidance of E. V. Peters, of the St. Joseph Lead Company, director of arrangements for the event. Having eventually got everybody satisfactorily seated, Mr. Peters, with a brief explanation of "how come," introduced the master of ceremonies, George A. Mar-

—*Continued on page* 34

Up Front at the Heckel Dinner

The Celebrant, George B. Heckel; the Master of Ceremonies, George A. Martin; the Director of Arrangements, E. V. Peters.

Free Port Sublease Considered by N.Y. City

Foreign trade zone 1, the only free port in the United States, operating by special permission of congress at piers 13 to 16, Stapleton, Staten Island, will pass to private operation by action of the Board of Estimate of this city, it has been indicated.

The change would not affect the port's function as a free trade zone where merchandise may be landed or stored until sold, processed, repacked or graded without prior payment of duty. Duty is collected on any merchandise which ultimately is entered for consumption in the United States.

The Bord of Estimate was considering, it was understood, the proposal to pay a subsidy to a private firm to operate the port, or that the firm be granted a commission on the total business. Recently the Foreign Trade Zone Board, Washington, D. C., notified Mayor LaGuardia that he would be given until May 1 to bring about successful operation of the project, otherwise the port would be closed.

WISMUTH . . .
miners termed the strange metal, denoting the varied tints shown when bismuth was freshly broken. Confused for centuries with other metals such as antimony, bismuth was not introduced into medicine until almost 1700.

Mallinckrodt

BISMUTH COMPOUNDS

Mallinckrodt Bismuth Compounds excel in the physical essentials required for thorough dispersion and adherence to the membranes of the intestines — fineness and bulk. These uniform characteristics are attained through the unique and careful Mallinckrodt manufacturing processes.

Illustration of Mallinckrodt alertness in meeting the demand for special chemicals for special needs is the fact that Mallinckrodt bismuth products have been developed in various bulks to meet special demands. These have two or three times the bulk and are much finer than the regular grade. Meriting the attention of pharmaceutical and cosmetic makers are: Mallinckrodt Bismuth Subnitrate, Subcarbonate, Subgallate, Subsalicylate and Subiodide.

Pharmaceutical Manufacturers — Write for Bismuth Therapy Booklet

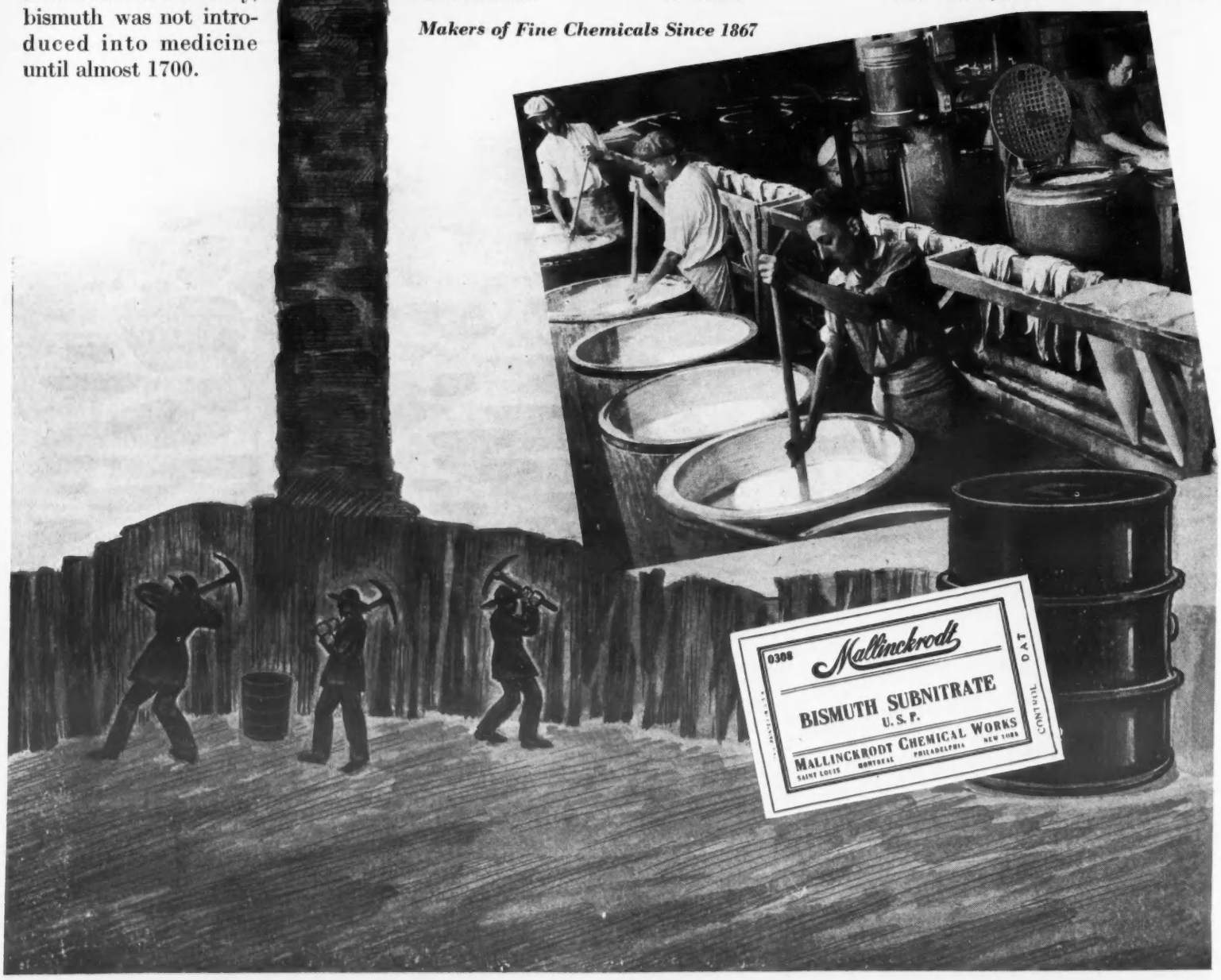
Request the Mallinckrodt Industrial-Pharmaceutical Price-List

Mallinckrodt

CHEMICAL WORKS

CHICAGO — 2nd & Mallinckrodt Sts. — 72 Gold St. — TORONTO
PHILADELPHIA — ST. LOUIS — NEW YORK, N. Y. — MONTREAL

Makers of Fine Chemicals Since 1867



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Current Market Quotations

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When not otherwise indicated, quotations are f. o. b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

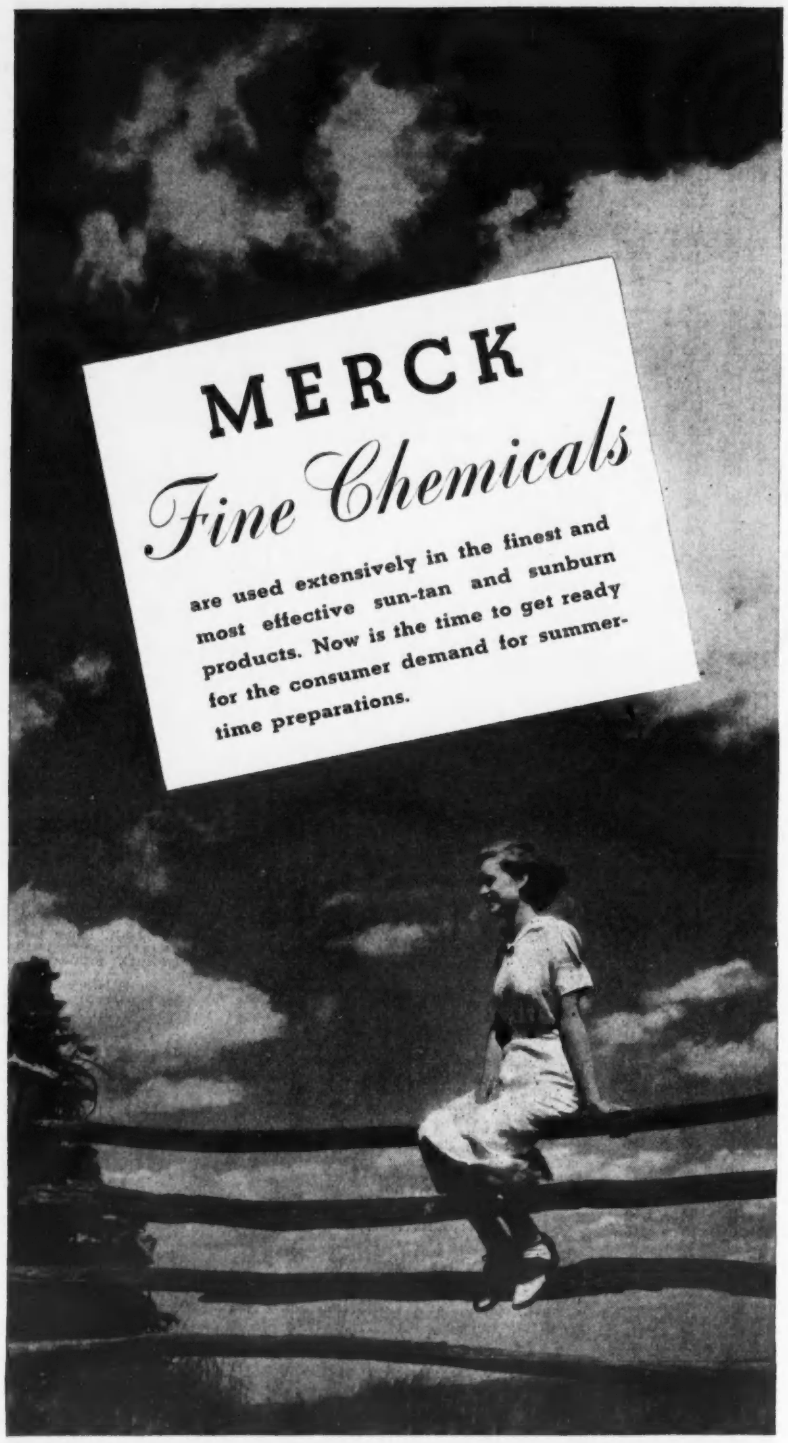
A

Acacia (see Gum, Arabic)
Acetal, dms., works.....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd.....lb. .16 - —
Acetamide, CP, kgs., 1,000 lb. lots, dlvd..lb. .44 - —
tech., kgs, 1,000 lb. lots, dlvd. lb. .39 - —
Acetanilide, tech., 95%, bbls..lb. .29 Nom.
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs, 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd. .....lb. .04¾- —
Methyl (see M)
Acetophenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetphenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg.....lb. 1.35 - —
smaller pkgs.....lb. 1.32 - 1.40
Acid, abietic, dms., c.l.....lb. .08¾- —
l.c.l. .....lb. .09 - —
Acetic, comi. or redist., 28%, bbls..100 lbs. 2.23 - 2.43
cbys. .....100 lbs. 2.73 - 2.90
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.43
cbys. .....100 lbs. 5.67 - 5.93
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys.100 lbs.14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
syn., al. dms., c.l.100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls., c.l..100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls., c.l.....100 lbs. 3.66 - 3.91
cbys .....100 lbs. 4.16 - 4.41
60%, bbls., c.l.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls., c.l.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43
Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalised.
Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls, 225 lbs..lb. .60 - —
boxes, 25 lbs.....lb. .61 - —
kgs., 100 lbs.....lb. .60 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs...lb. .18 - —
Ascorbic, bots., dms.....oz. 3.35 - 3.60
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .56 - —
900 lbs. or less.....lb. .58 - .60
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd.....ton.110.00 - —
l.c.l., ex whse.....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd.....ton.100.00 - —
l.c.l., ex whse.....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd.....ton.115.00 - —
l.c.l., ex whse.....ton.120.00 -125.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd.....ton.105.00 - —
l.c.l., ex whse.....ton.110.00 -125.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cans.....lb. 5.50 - 5.75
Capric, dms.....lb. .12 - .12½
Caproic, cans.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17¾- .18
Chinawood oil, dms.....lb. .20½- .21
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N.Y., lb. .15¾- .17¾
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., bbls.....lb. .24 - —
kegs .....lb. .24½- —
gran., bbls.....lb. .24 - —
kegs .....lb. .24½- —
powd., bbls.....lb. .24½- —
anhyd., gran., dms.....lb. .26½- —
powd., dms.....lb. .27 - —
Prices on citric acid are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls.....lb. .57 - —
Acid, coconut oil, dist., dms..lb. .10 - .10½
oil, dist., dms.....lb. .06 - .06¾
Cottonseed oil, dist., dms....lb. .0635- .0735
tanks .....lb. .0585- —
Cresylic, high-boil, dom., c.l., works, frt. equaled..gal. .89 - —
l.c.l., same basis.....gal. .91 - —
low-boil, dms., c.l., works frt. equaled..gal. .92 - —
l.c.l., same basis.....gal. .94 - —
imported, pale, 97-99, dms.gal. .85 - .87
special resin grade, dms., c.l., works..lb. .10¾- —
l.c.l., same basis.....lb. .11¼- —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l..lb. .10¼- —
l.c.l., 25 and over..lb. .11 - —
1-24 .....lb. .11¼- —
inland territory, cbys., c.l...lb. .1185- —
l.c.l., 25 and over....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l. lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1340
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls.....lb. .50 - .55
Hempseed oil, dms.....lb. .1180- .1235
Hydriodic, 47%, bots.....lb. 2.20 - 2.25
57%, bots.....lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys.....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15
Hypophosphorus, USP 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works...100 lbs. 2.50 - —
l.c.l., bbls., works...100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works. 100 lbs. 5.50 - —
l.c.l., bbls., works...100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.50 - —
l.c.l., bbls., works...100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works. 100 lbs. 6.50 - —
l.c.l., bbls., works...100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20- and over, bbls., cbys..lb. .10½- .11¼
plastic grade.....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .19
plastic grade.....lb. .13¾- .18¾
1 to 4, edible, bbls., cbys., lb. .11¼- .13½
plastic grade.....lb. .13¼- .14¼
80%, 5 and over, bbls., cbys..lb. .21 - .23
1 to 4 bbls., cbys.....lb. .21½- .23½
USP, X, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, split, dms.....lb. .08½- .09
Laurent's, bbls. .....lb. .45 - —
Levulinic, 5 lb. bots., works.lb. 2.00 - —
Linseed oil, carx or light, dms..lb. .1240- .1280
tanks .....lb. .1180- —
extra white, dms.....lb. .13 - .13½
Maleic, powd., dms.....lb. .30 - .40
anhydride, dms.....lb. .38 - .48
Malic powd., kegs.....lb. .45 - .60
Mandelic, bots.....lb. 2.30 - —
fib. dms.....lb. 2.05 - 2.20
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., U.S.P., dealers, cbys.lb. .06¾- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dms.....lb. .15¾- .16¼
white, redist., dms.....lb. .17 - .17½
Naphthenic, S.V. 120-200, dms., lb. .07 Nom.
210-230, dms.....lb. .09 Nom.
240-280, dms.....lb. .10 Nom.
sludges, dms.....lb. .05 Nom.
Neville & Winther's, bbls....lb. .63 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
Acid, nitric, 40°, cbys., c.l., E. works..100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, d. dist., dms.....lb. .0650- .0740
s. dist., dms.....lb. .0590- .0680
Perilla, dist., dms.....lb. .1522- .1572
Phenylacetic, bots.....lb. 1.85 - 2.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys. .....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs. .....lb. .15 - —
50% s.g., 1347, cbys., 70 lbs., lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns..lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls. .....lb. .35 - —
Propionic ref., cbys., works..lb. .26 Nom.
dms., works .....lb. .23 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works .....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.65
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .28 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - .45
USP, bbls. .....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .09 - .09½
Stearic, distil., double pressed, bgs., dlvd..lb. .11 - .12
single pressed, bgs., dlvd..lb. .10¾- .11¼
triple pressed, bgs., dlvd..lb. .13¾- .14¾
saponif., double pressed, bgs, dlvd..lb. .11¾- .12¾
triple pressed, bgs., dlvd.lb. .14 - .15
Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .06 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works ..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98%, tanks, works.....ton.17.50 - —
C.P., U.S.P., dealers, cbys.. lb. .06¼- —
9-lb. bots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lbs.lb. .33 - —
100-lb. lots.....lb. .90 - —
25-lb. lots.....lb. .93 - —
powd., bbls., 1,000 lbs....lb. .73 - —
smaller lots.....lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .25¼- —
smaller quantities.....lb. .23¾- —
kgs. .....lb. .26¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs, works....lb. 2.85 - 3.10
tech., kgs., works.....lb. 1.90 - 2.00
Aconite, leaves, bls.....lb. .25 - .26
Root, bls.....lb. .29 - .32
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar, 1, bls.....lb. .90 - .95
2, bls.....lb. .85 - .90
3, bls.....lb. .65 - .67
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs. f.o.b. Chicago, frt. alld....lb. .13 - .15
powd, grade A, same basis, ton lots..lb. .15 - —
smaller lots, Chicago...lb. .18 - —
light, dom., flake, dms., Chicago..lb. .52 - .60
import, bgs..... lb .50 -
Egg, ed., dom., drums.....lb. 1.10 - 1.25
import, cs.....lb. .85 Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld.....lb. .143 - —
tanks frt alld.....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09¼- .10
l.c.l., same terms.....lb. .10 - .10½
tanks, same terms.....lb. .08¼- .09
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt. alld.....lb. .10¼- —
tanks, frt. alld.....lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
tertiary, denating, dms., frt. alld..lb. .14 - —

Acacia—Alum

Alcohol, capyri, pure, dms., works..lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .93 - —
import, 85%, 100 lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
comi., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD11, 12, 13, dms., c.l., works, E..gal. .33 - —
l.c.l., works, dms., dealer and industrial accounts. gal. .38 - —
jobber accounts...gal. .36 - —
tanks, E., works.....gal. .27 - —
Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., bbls., c.l., E. works..gal. .32 - —
19 bbls., E. works...gal. .34 - —
1 to 18 bbls., E. works, gal. .37 - —
dms., c.l., E. works....gal. .31 - —
19 dms., E. works...gal. .33 - —
1 to 18 dms., E. works, gal. .36 - —
tanks, E. works.....gal. .25 - —
Anhydrous, 3c. per gal. higher.
SD23-G, works, E., dms., c.l., gal. .35½- —
19 dms.....gal. .37½- —
1 to 18 dms.....gal. .40½- —
tanks .....gal. .29½- —
Prices for territories other than E. of Rockies, 3c. per gal. higher.
Special solvent, dms., c. l., E. works..gal. .32 - —
20 dms., E. works...gal. .34 - —
1 to 19 dms., E. works, gal. .37 - —
tanks, E. works.....gal. .26 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, pure, contract, dms., c.l., frt., alld..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
tech., contract, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11 - —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.11 - —
19 bbls.....gal. 4.13 - —
1 to 18 bbls.....gal. 4.16 - —
dms., c. l.....gal. 4.10 - —
19 dms.....gal. 4.12 - —
1 to 18 dms.....gal. 4.15 - —
tanks .....gal. 4.04 - —
absolute, dms., c.l.....gal. 4.40 - —
19 dms.....gal. 4.42 - —
1 to 18 dms.....gal. 4.45 - —
Grain alcohol 45c. per gal. higher.
Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Isopropyl, 99%, c.l., dms., f.o.b., dest..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
refd., 91%, dms., c.l., same basis..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
tech., 91%, dms., c.l., same terms..gal. .33½- —
l.c.l., same terms....gal. .38½- —
tanks, same terms....gal. .28½- —
98%, dms., c.l., same terms, gal. .37½- —
l.c.l., same terms....gal. .42½- —
tanks, same terms.....gal. .32½- —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 4.25
Propyl (see Isopropyl)
Aldehol, denat., grade, dms., tanks, works.....gal. .70 - .80
Aldehyde bisulphite bbls., dlvd. lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 & 110 gal. dms., dlvd..lb. .20 - —
5 & 10 gal. dms., dlvd....lb. .22 - —
Aletris root, bgs.....lb. .45 - .50
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs. .....lb. .20 - .21
Curacao, cs. .....lb. .35 - .37
gourds, bbls.....lb. .50 - .55
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls.....lb. 2.00 - —
100-lb. kegs.....lb. 2.02 - —
25-lb. fib. dms.....lb. 2.09 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bls.....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls. kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila..100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - 3.65
dlvd, N.Y., Phila...100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - 3.80
dlvd. N.Y., Phila...100 lbs. 3.55 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

A Guaranty of MERCK Purity & Reliability


MERCK
Fine Chemicals
are used extensively in the finest and most effective sun-tan and sunburn products. Now is the time to get ready for the consumer demand for summer-time preparations.

Preparations to be applied to skin prior to exposure to sun

SUN-TAN OILS

Acid Oleic
Quinine Alkaloid
Menthyl Salicylate
Benzyl Salicylate

SUN-TAN LOTIONS, Non-greasy

Quinine Bisulfate
Chlorobutanol (Hydrous)

SUN-TAN CREAMS

Lanum Anhydrous (Lanolin)
Acid Oleic
Quinine Alkaloid
Menthyl Salicylate

Preparations to be applied to skin to relieve sunburn

SUNBURN LOTIONS

Chlorobutanol
Acid Picric
Calamine
Acid Citric
Glycerin
Zinc Sulfocarbolate

SUNBURN CREAMS and OILS

Benzocaine
Chlorobutanol
Lanum Anhydrous (Lanolin)
Petrolatum Liquid

Preparations to produce sun-tan effect

SUN-TAN POWDERS

Bismuth Oxychloride
Calcium Carbonate
Kaolin Colloidal
Iron Oxide Brown Precip.
Talc
Zinc Oxide
Zinc Stearate

Use these dependable Merck Chemicals of uniformly high quality in planning your production of up-to-date summer preparations.

Inquiries regarding your manufacturing problems will receive prompt attention. Prices and other information will be furnished to manufacturers on request.

★ MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J. ★

New York: 161 Sixth Avenue • Philadelphia: 916 Parrish Street • St. Louis: 4528 S. Broadway

In Canada: Merck & Co. Ltd., Montreal and Toronto

Alum, potash, gran., bbls., works, 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila..100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila..100 lbs. 3.80 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd..... .09 - —
32%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works.lb. .08 - —
100 lbs., or less, works.lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls.....lb. .03½- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
iron-free, bgs., c.l., works... 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.40
truckloads, bgs.....100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l...lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63 - —
5,000 lbs., same basis..lb. .64 - —
1,500 lbs., single shipt., same basis..lb. .65 - —
On 1,500-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 1,500-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.
ink, dms., 30,000 lbs., same basis..lb. .73 - —
6,000 lbs., same basis...lb. .74 - —
1,500 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .41 - —
5,000 lbs., same basis...lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90 - —
5,000 lbs., same basis..lb. .91 - —
1,500 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55 - —
5,000 lbs., same basis..lb. .56 - —
1,500 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis, lb. .41 - —
5,000 lbs., same basis.lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45 - —
5,000 lbs., same basis..lb. .46 - —
1,500 lbs., single ship., same basis..lb. .47 - —
split shipts. (see note fine lining paste).
standard dms., 30,000 lbs., same basis..lb. .40 - —
5,000 lbs., same basis..lb. .41 - —
1,500 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs., same basis..lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
rubber comp., dms., 30,000 lbs., same basis..lb. .38 - —
5,000 lbs., same basis..lb. .39 - —
1,500 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste).

Aluminum, powd., unpolished, dms., 30,000 lbs., same basis..lb. .35 - —
5,000 lbs., same basis..lb. .36 - —
1,500 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste).
varnish, extra brilliant, dms., 30,000 lbs., same basis, lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45 - —
5,000 lbs., same basis..lb. .46 - —
1,500 lbs., single shipt., same basis..lb. .47 - —
split shipt. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .40 - —
5,000 lbs., same basis..lb. .41 - —
1,500 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
Ambergris, gray, tins.....oz. 17.00 -36.00
Aminopyrine, fib., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs.....lb. 4.22 - 4.26
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms. .....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.). works..lb. .04¼- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), dlvd., E..lb. .05 - .05½
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works. 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .17 - .19
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .17
powd., bbls., dms.....lb. .09 - .25
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .13
100 lb. kgs. .....lb. .15 - —
Citrate, dms. .....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls. .....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls. .....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .15 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthenate, bbls. .....lb. .1- - —
Nitrate, tech., bags, c.l., works, 100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms. .....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N,F.V., bbls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 18% phos. bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .15 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens.ton. 29.50 - —
Ammonia sulphate bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis., and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.
Sulphide, liquid, 35-40%, basis 100%, dms,, works..lb. .12 - .15
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom,, bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks. .....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11 - —
l.c.l., frt., alld.....lb. .11½- —
tanks, works.....lb. .10 - —
ex pentane, dms., frt. alld.lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.30 - 1.35
Angelica root, dom., bbls.....lb. .16 - .22
import, natural, bls.....lb. .20 - .22
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .30 - .31

Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .13 - .13½
Star, bgs.....lb. .14 - .15
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07½- .08
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .13¾- —
Needle, powd., bbls.....lb. .14 - .16
Oxide, bbls., c.l.....lb. .12½- —
l.c.l. .....lb. .13 - —
Antimony, Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c..lb. .12½- .15¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apemorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..oz. 4.55 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. 32.00 -34.00
Arnica flowers, bls.....lb. .29 - .35
Root, bls.....lb. .45 - .46
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .08¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import, cs.....lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .25 - .26
powd., bbls., bxs.....lb. .40 - .41
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02½- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .08½- —
smaller lots, f.o.b. N. Y.lb. .10½- —
California, dms., c.l., f.o.b. N.Y. ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.90 - —
seconds, bgs., c.l., Western shipt. points .....ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton. 49.50 - —
Jet., bgs., c.l., Western shipping points..ton. 30.50 - —
Maltha, dms., c.l.,f.o.b. N.Y.ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Manjak (see Asphaltum, Barbados)
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif, refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06⅛
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Wyo,, refinery.....gal. .07½- —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.95
cns. .....oz. 2.80 - —

B

Balm of Gilead buds, bgs.....lb. .35 - .40
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .10 - .11
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works..ton. 44.00 - —
99%, 200 mesh, bgs., c.l., works..ton. 47.00 - —
Barium, carbonate, precip., bgs., c.l., works..ton. 52.50 - —
bbls., works.....ton. 57.50 - —
l.c.l., bgs., works.....ton. 57.50 - —
bbls., works.....ton. 62.50 - —
sulphur-free bgs., bbls., c.l., works..ton. 57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
tech., doms., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton. 77.00 - —
bbls., same basis....ton. 79.00 - —
l.c.l., bgs., same basis. ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga., Ala,, Miss., Fla..ton. 81.00 - —
bbls., same basis..ton. 83.00 - —
l.c.l., bgs., same basis. ton. 94.00 - —
bbls., same basis..ton. 96.00 - —
Zone 3, bgs,, c.l., dlvd., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., same basis....ton. 96.00 - —
bbls., same basis..ton. 98.00 - —

Alum—Black, Carbon

Barium, dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12
Fluosilicate, bbls.....lb. .11½- .12
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots. .....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks. .....lb. .07 - .07½
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 23.65 - —
l.c.l., ex whse., Boston, ton. 36.00 - —
Chicago .....ton. 31.15 - —
Cleveland .....ton. 33.50 - —
New York.....ton. 32.00 - —
paper bgs., c.l., St. Louis, ton. 22.85 - —
l.c.l., ex car, Baltimore, ton. 30.70 - —
Boston .....ton. 31.70 - —
Philadelphia .....ton. 30.50 - —
ex whse., Baltimore..ton. 32.10 - —
Boston .....ton. 35.20 - —
Chicago .....ton. 30.35 - —
Cleveland .....ton. 33.00 - —
Detroit .....ton. 33.00 - —
Kansas City.....ton. 30.93 - —
Los Angeles.....ton. 42.00 - —
New York.....ton. 31.50 - —
Philadelphia .....ton. 31.90 - —
San Francisco.....ton. 42.00 - —
Toronto .....ton. 39.30 - —
Southern off color, bulk, mines..ton. 12.00 - —
95,75%, bulk, mines.....ton. 16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock, t.a..ton. 25.00 -26.00
l.c.l., ex whse.....ton. 30.00 - —
ungrd., bulk, c.l., ex dock, ton. 13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton. 29.50 Nom.
l.c.l., ex whse.....ton. 32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .15 - .18
Belladonna leaves, bls.....lb. .14 - .15
Root, bls. .....lb. .11 - .12
Bentonite, 200 mesh, bgs., Wyo. works..ton. 11.00 - —
325 mesh, bgs., Wyo. works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95-97%, refd., dms.lb. .80 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb. 16.75 - —
Hydrochloride, cns.....lb. 16.75 - —
Sulphate, cns.....lb. 16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, subim., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib, dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .61 - —
Beth root, bls.....lb. .20 - .22
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib, dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.22 - 1.48
fib. dms.....lb. 1.13 - 1.16
X-ray, 5-lb. bots.....lb. 2.42 - —
fib. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.42 - 1.66
fib. dms. .....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.12 - 1.38
fib. dms.....lb. 1.03 - 1.06
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E. lb. .12½- —
l.c.l., frt. alld, E.....lb. .13 - —
2, bbls., bgs., c.l., frt. alld E. lb. .10½- —
l.c.l., frt. alld, E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E. lb. .09½- —
l.c.l., frt. alld, E.....lb. .10 - —
4, bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld, E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld, E.....lb. .08 - —
6, bbls., bgs., c.l., frt. alld. E. lb. .06½- —
l.c.l., frt, alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd.....lb. .07½- —
ctns., l.c.l., dlvd.....lb. .08¼- —
cs,, l.c.l., dlvd.....lb. .09 - —

Black, Carbon—Brown

Black, carbon, special, 2 bgs., c.l., works..lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4 bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs, l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in N. A. (water freights extra). lb. .0270- .0275
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .03 - —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)..lb. .0315- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0330- —
D (Ill., Ia., Wis.)..lb. .0315- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0330- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0360- —
G (Mexico) .....lb. .0380- —
l.c.l., f.o.b. whse.....lb. .05¾- —
bulk, tanks, same price as bags in each zone.
ctns., l.c.l., ex whse.....lb. .06¼- —
cs., l.c.l., ex whse.....lb. .07 - —
export, full, comprsd., cs., f.a.s. Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.

Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .80 - .85
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y. lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under dyes.
Black haw, root bark, bls.....lb. .30 - .32
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works. ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.10 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi- unit-ton. 3.10 - —
import, bgs., c.i.f. ports, Mar. shipt., unit-ton. 3.20 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order .....lb. .37 - —
Celestial, bbls. .....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kegs....lb. 4.00 - —
Victoria, kgs.....lb. 3.85 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled.lb. .11 - —
regular 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .23 - —
6, cobalt, A, same basis..lb. .27 - —
B, bbls., same basis..lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis..lb. .23 - —
B, bbls., same basis..lb. .22 - —

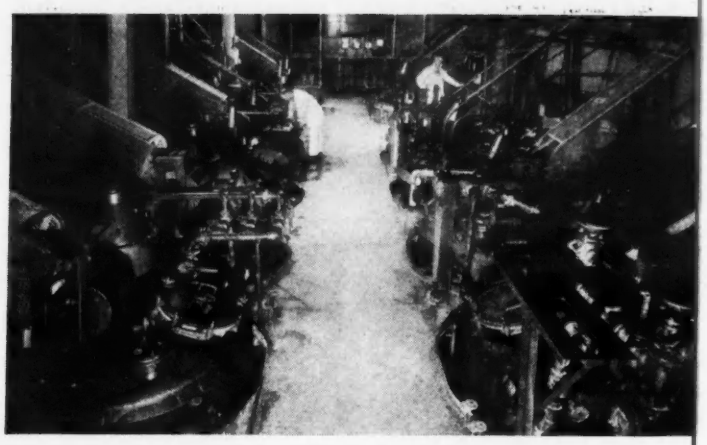
Blue, ultramarine, dry, special, 1, bbls., same basis.lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls., same basis.....lb. .23 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs...lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.25 - —
15-50 bbls., same basis, 100 lbs. 4.40 - —
6-15 bbls., same basis, 100 lbs. 4.50 - —
1-5 bbls., same basis, 100 lbs. 4.75 - —
monohydrated, dms., c.l. dealer, f.o.b. works..100 lbs. 8.85 - 8.90
l.c.l., dealers..100 lbs. 9.65 - 9.90
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.26.00 -29.00
c.i.f. Atlantic ports...ton.30.00 - —
import, bgs., c.i.f., ports.ton.28.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.18.00 -20.00
Bone, meal, import, 100-lb. bgs., c.i.f. ports, shipt..ton.22.00 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.17.00 -18.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.21.00 - —
Borage flowers, bls.....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.61.00 -66.00
sks., contracts, 80 tons min,, dlvd..ton.42.00 - —
l.c.l., ex whse.....ton.51.00 -56.00
powd., bbls., contracts, 80 tons min., dlvd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00
sks., contracts, 80 tons min., dlvd..ton.47.00 - —
l.c.l., ex whse.....ton,56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb, .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic),
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, U.S.P., bots.....lb, 1.40 - 1.60
Bromstyrol, bots. .....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02½- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12¼- —
2, bbls., same basis....lb. .11¼- —
3, bbls., same basis....lb. .10¼- —
4, bbls., same basis....lb. .08¾- —
5, bbls,, same basis....lb. .08¾- —
6, bbls., same basis....lb. .08¼- —
7, bbls., same basis....lb. .08 - —
8, bbls., same basis....lb. .07¾- —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06¾- —

DOW ACETYL SALICYLIC ACID, U.S.P.
IS SO PURE THAT IT IS PRACTICALLY TASTELESS

The standards Dow adheres to in the manufacture of Acetyl Salicylic Acid exceed by wide margins the rigid requirements of the U. S. Pharmacopoeia. Completely odorless, Dow Acetyl Salicylic Acid contains considerably less than the mere fraction of free salicylic acid content permissible under these requirements.

Starch granulations of Acetyl Salicylic Acid, so widely used today, are an original Dow development. The product is furnished in this form for the convenience of manufacturers making tablets by the dry-compression method.

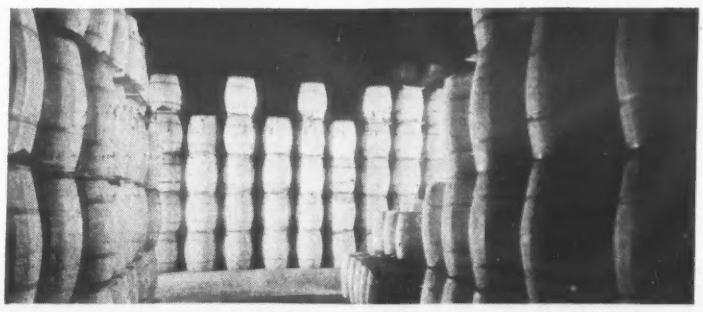
Dow Acetyl Salicylic Acid, U.S.P., is available in the form of Crystals, Powder, Granulations 10% Starch (White, Pink, Green); also 16% and 20% Starch (White).



1 The Reaction between Acetic Anhydride and Salicylic Acid, the initial step i making Acetyl Salicylic Acid, takes place in this battery of glass-lined steel reactors

2 Large Tablets under high compression are formed from the processed crystals to which the correct proportion of starch has been added. But before this, the Acetyl Salicylic Acid has been purified by filtering, crystallizing and re-crystallizing.

3 Granulations are obtained by grinding up the large com pressed tablets. The illustration shows the free-flow ing qualities of the granulations, ready for re-tableting



4 Barrels Upon Barrels of Dow Acetyl Salicylic Acid await ing shipment. Each barrel, paper-lined and care fully sealed, has been sampled, analyzed and approved

*Trade Mark Reg. U.S. Pat. Of

DOW

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York; Second and Madison Streets, St. Louis; Field Building, Chicago; 584 Mission Street, Sa Francisco; 2260 East 15th Street, Los Angeles.

Brown, Sienna, burnt, Italian, 11, bbls,, same basis	lb.	.06¾-	—
12, bbls., same basis	lb.	.06¼-	—
13, bbls., same basis	lb.	.06 -	—
14, bbls., same basis	lb.	.05½-	—
raw, American, bbls., works,	lb.	.02¾-	—
Italian, 1, bbls., f.o.b, N. Y. or works	lb.	.12½-	—
2, bbls., same basis	lb.	.10¾-	—
3, bbls., same basis	lb.	.11 -	—
4, bbls., same basis	lb.	.06½-	—
5, bbls., same basis	lb.	.09 -	—
6, bbls., same basis	lb.	.08½-	—
7, bbls., same basis	lb.	.07¾-	—
8, bbls., same basis	lb.	.07¼-	—
9, bbls., same basis	lb.	.06¾-	—
10, bbls., same basis	lb.	.06 -	—
11, bbls., same basis	lb.	.05 -	—
umber, American, bbls., works,	lb.	.02¾-	—
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y.	lb.	.04 -	—
St. Louis	lb.	.04¾-	—
ex car Los Angeles	lb.	.04½-	—
ex dock, Portland, San Francisco, Seattle	lb.	.04¾-	—
ex whse, Boston	lb.	.04½-	—
Chicago, Indianapolis, New Orleans	lb.	.04¾-	—
Kansas City	lb.	.05 -	—
Los Angeles, Portland, San Francisco, Seattle,	lb.	.04¾-	—
Minneapolis	lb.	.0485-	—
Pittsburgh	lb.	.04¼-	—
Vandyke, bbls., l.c.l.	lb.	.05¾-	—
Walnut crystals, bbls.	lb.	.05½-	.06
Brucine, 100 oz., cns.	oz.	.10 -	—
Sulphate, 100 oz., cns.	oz.	.07 -	—
Bryonia root, bls.	lb.	.10 -	.11
Buchu leaves, bls.	lb.	.43 -	.45
Buckthorn bark, true, bls.	lb.	.05 -	.05¼
Berries, bgs.	lb.	.19 -	.20
Burdock root, bls.	lb.	.10 -	.10½
Burgundy pitch, dom., bbls., c.l., works	lb.	.05½-	—
l.c.l., divd. E.	lb.	.06¼-	—
import, stands	lb.	.15 -	.16
Butanes, coml., 16-34°, tanks, group 3	gal.	.03¾-	—
Butternut bark, bls.	lb.	.08 -	.09
Butyl acetate, norm., dms., c.l., contract, frt. alld.	lb.	.10 -	—
l.c.l., contract, frt. alld.	lb.	.10½-	—
tanks, contract, frt. alld.	lb.	.09 -	—
Secondary, dms., c.l., frt. pd. E. of Rocky Mts.	lb.	.08 -	—
l.c.l., same terms	lb.	.08½-	—
tanks, same terms	lb.	.07 -	—
Alcohol (see Alcohol):—			
Aldehyde, dms., l.c.l.	lb.	.16½-	.17½
Carbinol (see Carbinol).			
Crotonate, normal, 55 & 110 gal. dms., dlvd.	lb.	.33 -	—
5 & 10 gal. dms., dlvd.	lb.	.36 -	—
Lactate, dms.	lb.	.22½-	—
Propionate, dms., dlvd.	lb.	.16½-	.17
tanks	lb.	.15½-	—
Stearate, dms.	lb.	.26 -	—
Butyric ether, bots.	gal.	6.60 -	6.95
cns., works	lb.	.65 -	.70
dms., frt. alld. Met. N. Y.	lb.	.60 -	—

C

Cadmium bromide, 100 lbs., works, frt. equal'd.	lb.	1.66 -	—
50 lbs., works	lb.	1.71 -	—
25 lbs., works	lb.	1.76 -	—
5 lbs., works	lb.	1.91 -	—
Iodide, bots	lb.	4.16 -	4.21
Jars	lb.	4.02 -	—
Lithopone (see Yellow)			
Metal, cs.	lb.	1.35 -	—
Red (see Red).			
Selenide (see Red).			
Sulphide (see Yellow).			
Caffeine, 100-lb. dms., 10,000 lbs. or more	lb.	2.20 -	—
2,000 lbs., or more	lb.	2.25 -	—
1,000 lbs., or more	lb.	2.30 -	—
100 lbs.	lb.	2.35 -	—
25-lb. dms., 10,000 lbs., or more	lb.	2.23 -	—
2,000 lbs., or more	lb.	2.28 -	—
1,000 lbs., or more	lb.	2.33 -	—
100 lbs.	lb.	2.43 -	—
25 lbs.	lb.	2.55 -	—
5-lb. cns., 10,000 lbs., or more	lb.	2.25 -	—
2,000 lbs., or more	lb.	2.30 -	—
1,000 lbs., or more	lb.	2.35 -	—
100 lbs.	lb.	2.45 -	—
less than 100 lbs.	lb.	2.75 -	—
5-lb. cns., 25 lbs., or more.	lb.	2.70 -	—
less than 25 lbs.	lb.	2.85 -	—
Citrated, cns.	lb.	1.80 -	2.10
Hydrobromine, bots.	lb.	4.91	4.99
Calabar beans, bgs.	lb.	.25 -	.26
Calamus root, bleached, cs.	lb.	.45 -	.50
peeled, bls.	lb.	.10 -	.12
Calcium acetate, bgs., dlvd.	100 lbs.	1.65 -	—
Arsenate, bgs., c.l., dealers, E. of Rockies	lb.	.06¾-	.07¼
W. of Rockies, bgs., dms.,	lb.	.06¾-	.07

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equaled	lb.	.70 -	—
50 lbs., works	lb.	.72 -	—
25 lbs., works	lb.	.75 -	—
Carbonate (see Chalk and Whiting).			
Chloride, flake, dom., 77-88%, paper bgs., c.l., dlvd.	ton.	23.00	-36.00
burlap bgs., dms., c.l., dlvd.	ton.	23.50	-36.50
l.c.l., 1 ton or over, dlvd.	100 lbs.	1.78 -	2.43
liquor, basis 40%, tanks, works.	ton.	7.50 -	—
solid, dom., 73-75%, bgs, dms., c.l., dlvd.	ton.	21.50	-34.50
l.c.l., 1 ton or over, dlvd.	100 lbs.	1.68 -	2.33
Gluconate, U.S.P., gran., powd., bbls., 125 lbs.	lb.	.50 -	—
dms.	lb.	.55 -	.57
cns.	lb.	.68 -	.86
Glycerophosphate, fib., dms., 1,000-lb. lots.	lb.	1.00 -	—
smaller lots	lb.	1.15 -	—
cns., 25 lbs.	lb.	1.40 -	—
Hypophosphite, cns.	lb.	.62 -	.67
Iodide, bots., jars	lb.	3.70 -	3.85
Lactate, USP., bbls., 200 lbs.	lb.	.25 -	—
Levulinate, bots., less than 25 lbs., works, dlvd.	lb.	3.00 -	—
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports.	ton.	28.00 -	—
Palmitate, bbls.	lb.	.22 -	.23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f. Atlantic ports, shipt.	unit-ton.	.79 -	—
tribasic, c.l., bbls., works.	lb.	.06½-	—
l.c.l., bbls.	lb.	.07½-	—
Resinate, precip., bbls., 1 ton	lb.	.13 -	—
smaller lots	lb.	.14 -	—
Stearate, precip., bbls., ctns., c.l.	lb.	.19 -	—
l.c.l., 1 ton	lb.	.20 -	—
Sulphate (see Gypsum).			

Calcium, sulphide, 75% CaS (minus 100 mesh), c.l., works.	ton.	52.00 -	—
l.c.l., works	ton.	56.00 -	—
83/85 CaS, c.l., works	ton.	58.00 -	—
l.c.l., works	lb.	64.00 -	—
luminous, dom., tins, works. 100 lbs.		.75 -	—
Sulphocarbolate, bbls., 200 lbs.	lb.	.48 -	—
kgs., 100 lbs.	lb.	.50 -	—
Calendula flowers, bls.	lb.	.38 -	.39
Calomel, bbls., fib., dms., kgs., 50 lbs., or more	lb.	1.18 -	—
Camphor, natural, powd., cs.	lb.	.55 -	.56
slabs, cs.	lb.	.55 -	.56
tablets, tins	lb.	.60 -	.61
synthetic, dmo., imp., gran., powd., bbls., 2,000 lbs.	lb.	.50 -	—
500 lbs.	lb.	.51 -	—
100 lbs.	lb.	.52 -	—
Monobromate, bxs., kgs.	lb.	1.75 -	1.80
Canada balsam (see Fir balsam).			
Canary seed, Argentine, bgs.	lb.	.0485-	.0505
Morocco, bgs.	lb.	.0485-	.0505
Turkish, bgs.	lb.	.0485-	.0505
Canella alba bark, bls.	lb.	.30 -	.31
Cantharides, Chinese, cs.	lb.	.70 -	.75
powd., bxs.	lb.	.95 -	1.00
Russian, cs.	lb.	1.10 -	1.15
powd., bxs.	lb.	1.25 -	1.50
Capsicum (see Pepper, red).			
Caraway seed, Dutch, bgs.	lb.	.07¾-	.08
Carbazole, 70-80%, dms., works.	lb.	.60 -	—
90%, dms., works	lb.	.80 -	—
95%, dms., ton lots, works	lb.	.70 -	—
smaller quantities, works.	lb.	.85 -	—
98.5-99%, dms., ton lots, works.	lb.	.75 -	—
smaller quantities, works.	lb.	.85 -	—
Carbinol, butyl, norm., dms., works	lb.	.60 -	—
small lots, works	lb.	.75 -	—
secondary, dms., works	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Diethyl, dms., works	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Isobutyl, 128-132°, dms., c.l., works.	lb.	.36 -	—
l.c.l., works	lb.	.34 -	—
tanks, works	lb.	.32 -	—
Methylpropyl, dms., works	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Dimethylethyl, dms., works.	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R.	lb.	.05 -	—
l.c.l., same basis	lb.	.05¾-	—
5-gal. dms., c.l., same basis,	lb.	.07 -	.07½
l.c.l., same basis	lb.	.08 -	.08½
tanks, same basis	lb.	.04½-	—
Dioxide, cyls.	lb.	.06 -	.08
Tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R.	lb.	.05½-	—
l.c.l., same basis	lb.	.05¾-	—
10-gal. dms., c.l. (20 tons), same basis.	lb.	.07 -	.07½
l.c.l., same basis	lb.	.08 -	.08½
5-gal. dms., c.l. (20 tons), same basis.	lb.	.07 -	.07½
l.c.l., same basis	lb.	.08 -	.08½
tank s, same basis	lb.	.05 -	—
Fire extinguisher liquid 1¼c. lb. higher.			
Cardamom, bleached, cs.	lb.	1.65 -	1.90
decorticated, cs.	lb.	.97 -	1.00
green, bgs.	lb.	.68 -	.72
Carvol, bots.	lb.	4.00 -	4.25
Cascara sagrada bark, bulk	lb.	.10¾-	.11
Case-hardening mixture, 30% lump, dms., l.c.l.	lb.	.09 -	—
Casein, dom., 20-30 mesh, bgs., c.l., dlvd.	lb.	.08½-	.09
5 tons, works	lb.	.10¼-	—
smaller lots, works	lb.	.11 -	—
80-100 mesh, bgs., c.l., dlvd.,	lb.	.09 -	.09½
5 tons, works	lb.	.10½-	—
smaller lots, works	lb.	.11¼-	—
Import, Argent., 20-30 mesh, bgs., c.l., duty pd.	lb.	.12½ Nom.	
80-100 mesh bgs., c.l., duty paid.	lb.	.13 Nom.	
French, 30 mesh, bgs., c.l., duty pd.	lb.	.17 Nom.	
Cassia, Batavia, 1, bgs.	lb.	.15 -	.15½
3, bls.	lb.	.09¾-	.10¼
short stick, bls.	lb.	.12¼-	.12½
China, rolls, select, cs.	lb.	.07¼-	.07½
broken, extra, bls.	lb.	.04¾-	.05
Saigon, bls.	lb.	.15¾-	.16
Cassia buds, cs.	lb.	.18¼-	.18½
Cassia fistula, bskts.	lb.	.07 -	.09
Castile soap, white, bars., cs., 40 lbs.		11.75	-12.50
powd., bbls.	lb.	.28 -	.35
Castoreum, nat., cns.	lb.	15.00	-18.00
synth., bots.	lb.	19.00 -	—
Castor oil (see Oil, castor).			
Pomace, dom., 5% ammon., bgs., c.l., works.	ton.	21.00 -	—
import, bgs., c.i.f., ports, shipment.	ton.	21.00 -	—
Catnep leaves, bls.	lb.	.17 -	.18
Celery seed, French, bgs.	lb.	.15½-	.15¾
Indian, bgs.	lb.	.13½-	.14
Celluloid scrap (see Pyroxylin scrap).			
Cellulose acetate, flake, gran., cs., frt. alld.	lb.	.40 -	—
Cellulose, acetobutyrate, 501 lbs. and over, works.	lb.	.52 -	—
101 lbs., works	lb.	.58 -	—
smaller lots, works	lb.	.55 -	—
Cement, white, bbls., (4 bgs), 5 tons, dlvd. N. Y.	bbl.	6.50 -	—
Cerium hydrate, dms., works	lb.	.60 -	—
Oxalate, USP, bbls., works	lb.	.35 -	—
kgs., works	lb.	.37 -	—
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works.	lb.	.02¾-	—
cks., 250 lbs., c.l., f.o.b., works.	lb.	.03¼-	—
Chamomile flowers, Hungarian, genuine, cs.	lb.	.24 -	.25
Roman, bls.	lb.	.28 -	.30
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va.	ton.	30.40 -	—
Colo.	ton.	27.00 -	—
Conn., Me., Mass., N.H., R. I., Vt.	ton.	30.80 -	—
Ill. (except river point), Minn., Neb., Wis.	ton.	25.00 -	—
Indiana	ton.	26.00 -	—
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso).	ton.	23.60 -	—
Kansas, El Paso, Tex.	ton.	24.00 -	—
Michigan	ton.	27.80 -	—
Ohio, Penn.	ton.	29.80 -	—
Utah	ton.	34.00 -	—
Willow, powd., bbls.	lb.	.06 -	.07
Chestnut extract, clarif., 25% tan., bbls., c.l., works.	lb.	.02125-	—
l.c.l., bbls., works.	lb.	.0225-	—

Chilies (see Pepper, red).

China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works.	ton.	9.50 -	—
l.c.l., works.	ton.	10.00	-16.00
bulk, c.l., works.	ton.	7.00 -	—
China clay, dom., dry-grd., 99.75%, 200 mesh, bgs., c.l., works.	ton.	8.50 -	—
l.c.l., works.	ton.	9.50	-15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.	ton.	9.50 -	—
paper bgs., c.l., works.	ton.	12.50-	—
Import, white, lump, bulk, c.l., ex dock Balto, Boston, Norfolk, Phila.	ton.	22.00	-25.00
powd., csks., l.c.l., ex dock.	ton.	35.00 -	—
ex whse.	ton.	37.50 -	—
Chloral hydrate, bots., 1,000 lbs.	lb.	.83 -	.92
500 lbs.	lb.	.86 -	.95
100 lbs.	lb.	.88 -	.97
25 lbs.	lb.	.90 -	.99
1-10 lbs.	lb.	.95 -	1.02
dms., 1,000 lbs.	lb.	.80 -	—
500 lbs.	lb.	.83 -	—
100 lbs.	lb.	.85 -	—
Chlorine, liq., cyls., c.l., dlvd., N. Y.	lb.	.05½-	—
contracts, dlvd., N. Y.	lb.	.05½-	—
l.c.l., dlvd., N. Y.	lb.	.07½-	—
tanks, single unit, works, frt. equald.	100 lbs.	2.15 -	—
multiple unit, 5 or over, wks., frt. equald.	100 lbs.	2.30 -	—
tanks, multiple unit, 2, works, frt. equald.	100 lbs.	2.55 -	—
1, works, frt. equald.	100 lbs.	3.00 -	—
Chloroacetophenone, tins, works.	lb.	3.00 -	3.50
Chloroform, tech., 650-lb. dms.	lb.	.20 -	—
100-lb. dms.	lb.	.22 -	—
50-lb. dms.	lb.	.25 -	—
USP, 650-lb. dms.	lb.	.30 -	—
100-lb. dms.	lb.	.32 -	—
50-lb. dms.	lb.	.33 -	—
Chloropicrin, coml, 100 lb. cyls., wks.	lb.	.85 -	—
5-lb. cyls., same basis	lb.	1.15 -	—
Chrome acetate, powd., 17.5% cr., bbls., works.	lb.	.13 -	—
smaller pkgs., works	lb.	.17 -	—
solut., 8% cs., bbls.	lb.	.05 -	.09
Cake, bulk, c.l., works.	ton.	15.00	-16.00
Green (see Green, chrome).			
Oxide (see Green, chrome oxide).			
Sulphate, pearls, dms., 100 lbs.,	lb.	.40 -	—
powd., dms., 100 lbs.	lb.	.45 -	—
scales, dms., 100 lbs.	lb.	.45 -	—
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, cns.	lb.	3.25 -	3.50
Cinchona bark, chips, bgs.	lb.	.18 -	.19
high test, bgs.	lb.	.37 -	.38
quills, broken, bgs.	lb.	.18 -	.19
long, cs.	lb.	.55 -	.60
short, bgs.	lb.	.50 -	.55
Ecuador, tubes.	lb.	.18 -	.20
Cinchonidine, crys., small cns.,	100 ozs.	.83 -	—
large, cns.	100 ozs.	.87 -	—
powd., cns.	100 ozs.	.80 -	—
Sulphate, N.F., cns.	100 ozs.	.47 -	—
Cinchonine, crys., small, cns.,	100 ozs.	.54 -	—
large, cns.	100 ozs.	.58 -	—
powd., cns.	100 ozs.	.50 -	—
Sulphate, N.F., cns.	100 ozs.	.34 -	—
Cinchophen, USP, boxes, 5 lbs.,	lb.	3.75 -	—
bots., 1 lb.	lb.	3.27 -	—
dms., 100 lbs.	lb.	3.00 -	—
Cinnamic alcohol (see Alcohol cinnamic).			
Aldehyde, f.f.c. cbys.	lb.	1.35 -	1.40
Cinnamon, Ceylon, 2, bls.	lb.	.16¾-	.17
3, bls.	lb.	.16¼-	.16½
Citral, bots., cns.	lb.	1.60 -	3.95
Citrine, ointment, jars, tubes.	lb.	.75 -	—
Citronellal, bots., dms.	lb.	.75 -	.80
Citronellol, bots., dms.	lb.	1.75 -	1.80
Clove, Madagascar, bls.	lb.	.16 -	.16¾
Zanzibar, bls.	lb.	.16½-	.16¾
Clover tops, bgs.	lb.	.14 -	.15
Coaltar, coal-gas., crude, bbls., c.l., works.	bbl.	7.50 -	7.75
l.c.l., works.	bbl.	8.25 -	8.50
tanks, works.	gal.	.07½-	.09
refd., bbls., c.l., works.	bbl.	8.00 -	8.25
l.c.l., works.	bbl.	8.75 -	9.00
tanks, works.	gal.	.08½-	.10
water-gas, crude, dms., c.l., works.	dm.	7.50 -	—
l.c.l., works.	dm.	8.00 -	—
refd., dms., c.l., works.	dm.	8.25 -	—
l.c.l., works.	dm.	8.75 -	—
Cobalt acetate, bbls., kgs., dlvd.	lb.	.65 -	.67
Carbonate, tech., bbls., dlvd.	lb.	1.63 -	—
Chloride, dms., works.	lb.	1.03 -	1.18
Hydrate, bbls.	lb.	1.78 -	—
Linoleate, paste, 6%, dms.	lb.	.31 -	—
solid, 8½%, bbls.	lb.	.33 -	—
Oleate, bbls.	lb.	.25	Nom.
Oxide, black, kgs.	lb.	1.67 -	—
Resinate, fused, A, bbls.	lb.	.13½-	—
1%, bbls.	lb.	.13 -	—
2%, bbls.	lb.	.14 -	—
3½, bbls.	lb.	.17½-	—
precip., dms., dlvd.	lb.	.34 -	—
Sulphate, dms.	lb.	.59 -	—
Cocaine hydrochloride, 100 ozs., cns.	oz.	9.75 -	—
Cochineal, gray, bgs.	lb.	.35 -	.38
Teneriffe, silver, bgs.	lb.	.36 -	.39
Cocillana bark, bgs.	lb.	.16 -	.17
Cocoa butter, lumps, bgs., c.l.	lb.	.12¾-	.13
Codeine, cns., 100 ozs.	oz.	11.70 -	—
Hydrochloride, cns., 100 ozs.	oz.	10.50 -	—
Phosphate, cns., 100 ozs.	oz.	9.00 -	—
Sulphate, cns., 100 ozs.	oz.	9.50 -	—
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls.	lb.	.08 -	.09
Blue, root, bls.	lb.	.07 -	.07½
Colchicine, bots., 4 ozs.	oz.	25.00 -	—
single ozs.	oz.	26.00 -	—
Colchicum seed, bgs.	lb.	.25 -	.27
Collodion, USP, dms., 325 lbs.	lb.	.12½-	—
cns., 25 lbs.	lb.	.16 -	—
Flexible, USP, dms., 325 lbs.	lb.	.14½-	—
cns., 25 lbs.	lb.	.18 -	—
Colocynth pulp, bls.	lb.	.28 -	.32
Colombo root, bls.	lb.	.12 -	.13
Coltsfoot leaves, bgs.	lb.	.07 -	.08
Condurango bark, bgs.	lb.	.08 -	.09
Conium leaves, bls.	lb.	.17 -	.18
Copaiba balsam, Para, cns.	lb.	.26 -	.27
S.A., USP, cns.	lb.	.28 -	.29
Copper acetate, normal, bbls., dlvd.	lb.	.21 -	—
smaller containers, dlvd.	lb.	.23 -	—
Carbonate, 52-54%, bbls.	lb.	.14½-	.15½
20%, bbls.	lb.	.10½-	.11½
Chloride, cryst., bbls.	lb.	.13 -	.14
Cyanide, tech., bbls.	lb.	.37 -	—
Iodide, bots.	lb.	4.97 -	5.02
Metal, electrolytic.	lb.	.10 -	—
Nitrate, cryst., bbls.	lb.	.15 -	.17
Oleate, precip., bbls.	lb.	.20 -	—
Oxide, black, bbls., tons, works,	lb.	.14½-	.15
smaller lots, works.	lb.	.15½-	—
red, com'l, 50-75%, kgs, f.o.b. N.Y.	lb.	.16 -	—
Resinate, precip., bbls.	lb.	.15 -	.16
Stearate, precip., bbls.	lb.	.23 -	.24
Sulphate (see Blue vitriol).			
Copperas, cryst., gran., bgs., c.l., works.	ton.	14.60	-15.00
bbls., c.l., works.	ton.	16.00	-17.00
l.c.l., 25 or over, works.	100 lbs.	1.35 -	—
5-24, works.	100 lbs.	1.50 -	—
1-4, works.	100 lbs.	2.00 -	—
bulk, c.l., works.	ton.	12.00	-13.00
Copra, bgs., Pacific Coast.	lb.	.0203	Nom.
Coriander seed, Morocco, bgs.	lb.	.05¾-	.06¼
bleached, bgs.	lb.	.08 -	.08½

Brown—Diethylene

Corn sugar, tanners, bbls., c.l., dlvd.	100 lbs.	3.10 -	—
ex whse.	100 lbs.	3.20 -	—
Syrup, 42°, bbls., c.l.	100 lbs.	3.04 -	—
43°, bbls., c.l.	100 lbs.	3.09 -	—
Cornsilk, bls.	lb.	.06 -	.07
Corrosive sublimate, cryst., dms., 50 lbs. or more	lb.	1.05 -	—
gran., powd., dms., 50 lbs. or more	lb.	.91 -	—
Cottonroot bark, bls.	lb.	.13 -	.14
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd.	unit-ton.	1.10 -	—
Coumarin, 5 lbs., or more, 25-lb. cns.	lb.	3.00 -	—
5-lb. cns.	lb.	3.10 -	—
1-lb. cns.	lb.	3.25 -	—
1-oz. cns.	lb.	3.60 -	—
less than 5 lbs., cns.	lb.	4.15 -	4.65
Cramp bark, genuine, bls.	lb.	.23 -	.24
so-called, bls.	lb.	.07 -	.08
Cranesbill root, bls.	lb.	.18 -	.20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't,	lb.	.19¾-	—
smaller lots, bbls.	lb.	.20¼-	—
kgs.	lb.	.20¾-	—
Creosote, beechwood, bots.	lb.	.70 -	.75
Hardwood, USP, bots.	lb.	.45 -	.47
Pine, dms.	gal.	.28 -	—
Carbonate, bots., cbys.	lb.	1.40 -	1.75
Creosote oil, crude, tanks, works,	gal.	.13½-	.14½
Coaltar solution, tanks, works,	gal.	.122 -	.132
refd., bbls., c.l., works.	gal.	.22½-	—
l.c.l., works.	gal.	.25 -	—
tanks, works.	gal.	.18 -	.18½
Cresol, USP, dms., c.l., works.	lb.	.12 -	—
l.c.l., same basis.	lb.	.12½-	—
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd.	lb.	.22 -	—
5 and 10 gal. dms., dlvd.	lb.	.25 -	—
works.	lb.	.26 -	—
l.c.l., works.	lb.	.30 -	—
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more.	lb.	.25 -	—
2,000 lbs. to 10,000 lbs.	lb.	.29 -	—
1,000 lbs. to 2,000 lbs.	lb.	.31 -	—
200 lbs. to 1,000 lbs.	lb.	.33 -	—

4% rotenone prices are 4½c. per lb. less.

Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.	lb.	.32 -	.33
powd., cs.	lb.	.34 -	.35
Culver's root, bls.	lb.	.17 -	.18
Cumin seed, Algerian, bgs.	lb.	.08¾-	.09¼
Indian, bgs.	lb.	.10	Nom.
Morocco, bgs.	lb.	.10 -	.10¼
Cutch, Phillippine, bls., c.l.	lb.	.05¼-	.06
Extract, solid, bgs.	lb.	.06½-	.08¼
Cyanamide, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit.	lb.	1.15 -	—
Cyanide-chloride, mixture, 45%, gran., dms.	lb.	.11¾-	—
lump, dms.	lb.	.10¾-	—
75%, gran., dms.	lb.	.17 -	—
lump, dms.	lb.	.15 -	—

D

Damiana leaves, bls.	lb.	.16 -	.17
Dandelion root, German, bls.	lb.	.18 -	.18½
Deertongue leaves, bls.	lb.	.11 -	.12
Degras, common, dom., bbls.	lb.	.07¾-	.08¼
English, bbls.	lb.	.07¾-	.08¼
neutral, dom., bbls.	lb.	.11 -	.15
English, bbls.	lb.	.11 -	.15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more.	lb.	.39 -	—
2,000 lbs., to 10,000 lbs.	lb.	.40 -	—
1,000 lbs., to 2,000 lbs.	lb.	.41½-	—
200 lbs., to 1,000 lbs.	lb.	.43 -	—

4% rotenone prices are 6c. per lb. less

Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Dextrin, British gum, c.l. f.o.b. Chicago.	100 lbs.	3.70 -	—
l.c.l., f.o.b. Chicago.	100 lbs.	3.90 -	—
Corn, canary, bgs., c.l., f.o.b. Chicago.	100 lbs.	3.45 -	—
l.c.l., f.o.b. Chicago.	100 lbs.	3.65 -	—
white, bgs., c.l., f.o.b. Chicago.	100 lbs.	3.40 -	—
l.c.l., f.o.b Chicago.	100 lbs	3.60 -	—
Potato, import, bgs.	lb.	.07¾-	.08¾
Tapioca, bgs., ex whse.	lb.	.715 -	—
Diamyl ether, dms., c.l., works.	lb.	.085 -	—
l.c.l., works.	lb.	.092 -	—
tanks, works.	lb.	.075 -	—
Oxalate, dms., l.c.l., works.	lb.	.30 -	—
Phthalate, dms., c.l., dlvd.	lb.	.20¼-	—
l.c.l., dlvd.	lb.	.21 -	—
tanks, dlvd.	lb.	.19¼-	—
Sulphide, dms., l.c.l., works.	lb.	1.10 -	—
Diamylamine, dms., c.l., works.,	lb.	.47 -	—
l.c.l., works.	lb.	.50 -	—
Diamylene, dms., c.l., works.	lb.	.095 -	—
l.c.l., works.	lb.	.102 -	—
tanks, works.	lb.	.085 -	—
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works,	ton.	22.00	-35.00
l.c.l., ex whse.	ton.	45.00	-150.00
import, bgs., c.l., c.i.f.	ton.	30.00 -	—
Dibutylamine, dms., l.c.l., works.	lb.	.55 -	—
Dibutyl phthalate, dms., l.c.l.	lb.	.21 -	—
Tartrate, dom., dms.	lb.	.45 -	.54
Dicalcium phosphate (see Calcium phosphate, dibasic).			
Dichlorethyl ether, dms., c.l. works.	lb.	.15 -	—
l.c.l., works.	lb.	.16 -	—
tanks, works.	lb.	.14 -	—
Diethanolamine, dms., c.l., works.	lb.	.24 -	—
l.c.l., works.	lb.	.25 -	—
tanks, works.	lb.	.23 -	—
Diethyl carbonate, coml., dms.	lb.	.31¾-	—
refd., 99%, dms.	lb.	.50 -	—
Carbinol (see Carbinol).			
Phthalate, dms., c.l.	lb.	.19 -	—
l.c.l.	lb.	.19½-	—
tanks	lb.	.18 -	—
Sulphate, dms., c.l., works.	lb.	.13 -	—
l.c.l., works.	lb.	.14 -	—
tanks	lb.	.12 -	—
Diethylanilin, dms.	lb.	.40 -	.50
Diethyleneglycol, dms., c.l., works,	lb.	.16 -	—
l.c.l., works.	lb.	.17 -	—
Monobutylether, dms., works.	lb.	.28 -	.34

Diethylene—Gum

Diethylene glycol monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethylene oxide, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, works.....lb. .19 - —
Digitalis, leaves, dms.....lb. .50 - .55
Digitalis, leaves, dms.....lb. .42 - .45
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07½- .08
Dimethyl phthalate, dms., l.c.l. lb. .19 - —
Dimethylaniliin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls.....lb. .16 - .19
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .23 - .24
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms, 2,000 lbs. or over, divd..lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, perfume grade, cns.....lb. .50 - .55
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dioasic)
Divi-divi extract, bbls.....lb. .05¾- .06¾
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .07 - .08
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, thin, cs.....lb. .80 - .85
Duboisine sulphate, vls.....oz. 34.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G.....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.....lb. 3.00 - 3.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
206 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
269 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.20
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .85 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. 1.00 - 1.05
594 Direct green G.....lb. .85 - 1.00
596 Direct brown 3GO.....lb. 1.25 - 1.50
620 Direct yellow R.....lb. 1.00 - 3.00
693 Acid violet.....lb. .50 - .52
812 Primulin .....lb. 2.00 - 2.25
814 Direct fast yellow.....lb. .35 - .50
845 Nigrosin(water soluble).lb. .35 - .15
1177 Indigo, 20 p. c., paste..lb. .90 - 1.00
Benzo fast black L....lb. .20 - .25
Sulphur black.....lb. .40 - 1.00
Sulphur blue.....lb. .25 - .50
Sulphur brown.....lb. .40 - —
Sulphur maroon.....lb. .25 - .54
Sulphur olive.....lb. .30 - .50
Sulphur tan.....lb. .50 - .60
Sulphur yellow.....lb. .75 - .80
Zambesi black.....lb.

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Blue:—
1075 Alizarin astrol base.lb. 15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .96 - —
749 Rhodamine B (oil pink) lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenezene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or ware house).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue.....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
381 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 2.00 - —
Violet:—
680 Methyl violet.....lb. .70 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse)

Dyes, coaltar, for stains (numbers are those of Colour Index)—
Water-soluble:—
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .37 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
235 Resorcin dark brown R lb. .66 - —
231 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .37 - —
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .52 - —
183 Crocein scarlet 3BX..lb. .60 - —
185 Cochineal red A....lb. .60 - —
252 Brilliant crocein M..lb. .68 - —
677 Fuchain .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Essin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S..lb. .58 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .22 - .23
Egg albumen (see Albumen).
Yolk, dom., cs.....lb. .63-.65 Nom.
import, cs.....lb. .65-.68 Nom.
Elder flowers, bright, bls.....lb. .20 - .22
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .55 - .60
Emetine hydrochloride, bots...oz. 17.00 -18.00
Ephedra, bls.....lb. No offers
Ephedrine, tins, 100 oz.....oz. 4.25 - —
Hydrochloride, tins, 100 ozs..oz. 3.25 - —
Sulphate, cryst., tins, 100 ozs.oz. 3.25 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.60 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.35 - —
smaller lots.....lb. 2.60 - —
kgs., c.l.....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots.....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.40 - 1.50
Eserine, bots.....oz. 42.00 - —
Salicylate, bots.....oz. 33.00 -34.00
Sulphate, bots.....oz. 30.00 - —
Ether, acetic (see Ethyl acetate)
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .08 - —
l.c.l. works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld..lb. .06½- —
l.c.l., frt. alld.....lb. .07 - —
tanks, frt. alld.....lb. .05½- —
99 p.c., dms., c.l., frt. alld., lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
N. F., VI. 99%, dms., 400 lbs. lb. .08½- —
cns., 35 lbs.....lb. .13½- —
USP, VIII, 90%, dms., 400 lbs. lb. .07½- —
cns., 35 lbs.....lb. .12½- —
Acetoacetate, dms., c.l., works, lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .22 - .24
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, dms., works.....lb. 1.00 - 1.25
Formate, dms.....lb. .27 - .28
Iodide, bots.....lb. 4.85 - 4.96
Lactate, 55-gal dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .80 - .84
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld. lb. .65 - —
100 lbs., frt. alld.....lb. .70 - —
smaller lots, works.....lb. .75 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0545- .05½
West of Rockies, same basis..lb. .0595- .06
l.c.l., dms., works, E. of Rockies, frt. alld..lb. .0644- .06½
West of Rockies, same basis..lb. .0694- .07
Ethyleneglycol, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - .20
tanks .....lb. .15 - —
Monobutylether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .19 - .22
tanks, works.....lb. .17 - —
Monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Ethyleneglycol monoethylether, acetate, dms., c.l., works lb. .13 - —
l.c.l., dms.....lb. .14 - —
tanks, works.....lb. .12 - —
Monomethylether, dms., c.l., works..lb. .17 - —
l.c.l., works.....lb. .18 - —
tanks, works.....lb. .16 - —
Ethylidinaniliin, dms.....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Ethylorthoparatoluenesulphonamide, bbls..lb. .55 - —
Ethylparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .58 - .60
Eucalyptus leaves, bls.....lb. .08 - .09
Eugenol, bgs., cns.....lb. 2.10 - 2.55
Euphorbia, bls.....lb. .05 - .08

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 -15.00
glass, 20 mesh, bulk, works.ton. 11.00 -12.25
pottery, bulk, Me. works...ton. 17.00 -19.00
N.C. works.....ton. 17.00 -19.00
Fennel seed, French type, bgs.. lb. .07½- .08
Indian, bags.....lb. .07½- .07¾
German, large, bgs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .04 - .04½
Ferric sulphate, dms., works.ton. 35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12½- —
smaller lots, works...lb. .13 - —
light, cs., 1,000 lbs. or over, works...lb. .13½- —
smaller lots, works.....lb. .14 - —
water white, cs., 1,000 lbs. or over, works.....lb. .15½- —
smaller lots, works...lb. .16 - —
Fir balsam, Canada, cns.....gal. 17.00 -18.00
Oregon, bbls.....gal. 1.35 - 1.40
Fish berries, bgs.....lb. .08 - .09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. No prices.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton. 52.00 -53.50
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts..unit-ton. No prices.
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Mar. shipt..ton. 45.50 - —
spot or nearby.....ton. 45.50 -47.00
Flake white, bbls., kgs.....lb. .09½- —
Fleaseed, French, black, bgs..lb. .08½- .09
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines. ton. 31.50 - —
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines..ton. 20.00 -21.50
No. 2, lump, 85.5, f.o.b. Ky. and Ill. mines..ton. 22.00 - —
imported, 85% not over 5% duty paid..ton. 23.50 -24.50
Formaldehyde, bbls., c.l., works. lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton. 10.00 - —
import, bgs., c.i.f., ex dock..ton. 22.00 - —
l.c.l., ex whse.....ton. 30.00 - —
Furfural, refd., dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs., works..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms. incl., dlvd. lb. .12½- .14
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19½

G

G salt, bbls.....lb. .45 - .48
Galangal root, bls.....lb. .09 - .10
Gall extract, bbls.....lb. .19 - .20
Gambier, common, bgs.....lb. .06¾- .07¾
plantation, bgs.....lb. .08¼- .09¾
Cubes, Singapore, bgs.....lb. .10¼- .11
Extract, bbls.....lb. .06½- .09½
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .07 - .07¼
65 octane and above, tanks, gal. .07½- .07¾
California, 54-58, tanks...gal. .07½- .08¼
Gulf Coast, U. S. Motor, bulk, gal. .04¾- —
60-62, 390 e.p., bulk, export, gal. .04¾- —
60-62, 400 e.p., bulk, export, gal. .04¾- —
64-66, 375 e.p., bulk, export, gal. .04¾- .04⅞
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04½- —
63-66 octane, tanks....gal. .04¾- .04⅞
67-69 octane, tanks....gal. .05 - .05¼
70-72 octane, tanks....gal. .05½- .05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .03¾- .04
third grade, tanks.....gal. .03¾- .04
63-66 octane, tanks...gal. .04¼- .04¾
67-69 octane, tanks...gal. .04¼- .04¼
70-72 octane, tanks....gal. .04½- .04¾
natural, 12-lb. v. p., tanks, gal. .04¼- .04½
14-lb. v.p., tanks.....gal. .03¾- .04¼
18-lb. v.p., tanks.....gal. .03½- .03¾
22-lb. v.p., tanks.....gal. .03¼- .03½
26-70 lb., v.p., tanks..gal. .03 - —
Pennsylvania, US motor, below 60 octane, tanks..gal. .04½- .05
60 octane, tanks.....gal. .06½- .06¾
62-54, 450 e.p., naphtha, tanks..gal. .04¾- .04¾
54-56, 400 e.p., strt., run, tanks..gal. .04¾- .04¾
Gelatin, silver, cs.....lb. .45 - .50
Gelsemium root, bls.....lb. .12 - .13
Gentian root, bls.....lb. .10 - .12
grd., bbls., bxs.....lb. .12 - .13
powd., bbls., bxs.....lb. .14 - .15
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .12 - .12½
Cochin, lemon, bgs.....lb. .13 - .13½
Jamaica, bold, bgs.....lb. .16 - .16½
grinding, bright, bgs...lb. .14½- .14¾
medium, bold, bgs.....lb. .14¾- .15¼
Japanese, bgs. .....lb. .11½- .12
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs.....lb. 10.00 -11.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works...100 lbs. 1.05 - 1.25
less than 5 tons, works..100 lbs. 1.15 - 1.35
import., bgs. .....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., divd..lb. .12 - —
l.c.l., divd. .....lb. .13½- —
36/58, bgs., c.l., divd....lb. .13½- —
l.c.l., divd .....lb. .14 - —
58/82, bgs., c.l., divd....lb. .14½- —
l.c.l., divd. .....lb. .15 - —
82/108, bgs., c.l., divd....lb. .15 - —
l.c.l., divd. .....lb. .15½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., divd., East, Middlewest..lb. .15½- —
l.c.l., same basis.....lb. .16 - —
60/164, bgs., c.l., same basis.lb. .17 - —
l.c.l., same basis.....lb. .17½- —
67/122, bgs., c.l., same basis..lb. .18 - —
l.c.l., same basis.....lb. .18½- —
75/222, bgs., c.l., same basis, lb. .19 - —
l.c.l., same basis.....lb. .20 - —
83/251, bgs., c.l., same basis, lb. .20 - —
l.c.l., same basis.....lb. .21 - —
92/283, bgs., c.l., same basis.lb. .21 - —
l.c.l., same basis.....lb. .23 - —
102/315, bgs., c.l., same basis lb. .21½- —
l.c.l., same basis.....lb. .23½- —
113/347, bgs., c.l., same basis lb. .22½- —
l.c.l., same basis.....lb. .23½- —
125/379, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. lb. .17½- .18
dms., extra, c.l.....lb. .15½- —
l.c.l. .....lb. .16 - —
dynamite, dms., extra, c.l....lb. .15½- —
l.c.l. .....lb. .16 - —
saponification, basis 88%, dms., returnable, divd..lb. .10½- .11
soaplye, basis 80%, dms., returnable, divd..lb. .09½- .10
yellow, distilled, dms., extra, c.l. lb. .15¾- —
l.c.l. .....lb. .15¾- —
Glycol boriborate, dms.....lb. .26 - —
Phthalate, dms. .....lb. .40 - —
Stearate, dms. .....lb. .27½- —
Gold, U.S. purchase price....oz. 35.00 - —
Chloride, acid brown, bots..oz. 20.75 -21.00
yellow, bots. .....oz. 16.75 -18.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
U.S.P. IX, bots.....oz. 14.50 -14.75
Gold of pleasure seed, bgs..lb. .15½- .16
Golden seal root, bls.....lb. 3.65 - 3.70
powd., bxs.....lb. 3.80 - 3.85
Grains of paradise, bgs.....lb. .25 - .27
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works .....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works .....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works .....lb. .04½- —
Grease, house, trcs.....lb. .04½- .04½
White, trcs.....lb. .03¾ Nom.
Yellow, trcs. .....lb. .04¼- .04½
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up 5%, bbls., same basis, lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .18¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Chrome, oxide, dom., pure, bbl. .22 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works .....lb. .30 - —
standard grade, bbls., works..lb. .19 - .20
Tetrahydroxide, bbls. .....lb. .85 - —
Paris (see P)
Tungstated, brilliant, kgs....lb. 3.75 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08 - .09
Guaiac resin, cs.....lb. .27 - .28
strained, cs.....lb .90 - 1.00
Wood, bls.....lb. .04 - .06
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib, dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.15 - 1.20
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .10¼- .10¾
white, sorts, 1, bgs.....lb. .27 - .28
2, bgs.....lb. .25 - .26
powd., bbls.....lb. .13½- .14
Asafetida (see A).
Asphaltum (see A).

Gum, benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs.....lb. .18 - .20
Camphor (see C)
Chicle, dry, bgs.....lb. .65 Nom.
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .44 - —
Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
2, cloudy, white, bgs., c.l., same basis..lb. .31¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .18¼- —
4, pale bold straw, bgs., c.l., same basis..lb. .19¼- —
5, pale straw bold, bgs., c.l., same basis..lb. .15¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .15¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .13¾- —
8, light amber bold, bgs., c.l., same basis..lb. .12¾- —
9, medium light amber bold, bgs., c.l., same basis..lb. .10¼- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .10¼- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .08¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .07¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .06¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .19¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
17, pale fingers, bgs., c.l., same basis..lb. .15¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .13¾- —
19, pale straw nubs, bgs., c.l., same basis..lb. .12¼- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¾- —
21, ordinary selected nubs, c.l., same basis..lb. .07¼- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .07¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .15¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .07 - —
26, pale bold chips, bgs., c.l., same basis..lb. .06¼- —
27, pale small chips, bgs., c.l., same basis..lb. .05¾- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .05 - —
East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05¼- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis lb. .03¾- —
dust, bgs., c.l., same basis..lb. .03¾- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiros, Macassar, pale, bold, bgs., c.l., same basis.lb. .12¼- —
chips, bgs., c.l., same basis..lb. .05¾- —
dust.,bgs.,c.l.,same basis, lb. .03¾- —
nubs, bgs., c.l., same basis..lb. .10¾- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¼- —
chips, bgs., c.l., same basis, lb. .04¾- —
dust,bgs.,c.l.,same basis.lb. .03¾- —
nubs, bgs.,c.l.,same basis.lb. .10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .13¼- —
Loba A, bskts., c.l., same basis..lb. .12 - —
B,bskts.,c.l., same basis.lb. .11¾- —
C,bskts.,c.l., same basis..lb. .10½- —
CNE, bskts., c.l., same basis..lb. .06¾- —
D, bskts., c.l., same basis, lb. .09¾- —
DK, bskts., c.l., same basis, lb. .06¾- —
DU, bskts., c.l., same basis, lb. .08¾- —
dust, bskts., c.l., same basis, lb. .06¾- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06¾- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB, bskts., cl.., same basis..lb. .08¾- —
MA, bskts., c.l., same basis, lb. .06¾- —
MB, bskts., c.l., same basis, lb. .06½- —
WS, bskts., c.l., same basis, lb. .08¾- —
Philippine Manila, amber sorts, bskts., c.l., same basis, lb. .07¼- —
chips, pale, bskts., c.l., same basis..lb. .08¾- —
small, bskts., c.l., same basis..lb. .07¼- —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
nubs, bskts., c.l., same basis..lb. .11¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .06½- —
Pontianak, bold, genuine, bgs., same basis..lb. .16½- —
mixed, bgs., c.l., same basis..lb. .14 - —
chips,bgs,c.l.,same basis...lb. .10¼- —
split, bgs., c.l., same basis, lb. .13¾- —
nubs, bgs.,c.l., same basis.lb. .12¾- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .23¾- —
A/D, cs., c.l., same basis.lb. .19½- —
A/E, cs., c.l., same basis.lb. .16 - —
B, cs., c.l., same basis...lb. .22½- —
C, cs., c.l., same basis...lb. .19¾- —
D, cs., c.l., same basis... lb. .16¾- —
dust., cs., c.l., same basis.lb. .06¾- —
E, cs., c.l., same basis....lb. .08½- —
F, cs., c.l., same basis...lb. .07¾- —

Gum, dammar, Singapore, 1, cs., c.l., same basis..lb. .19¼- —
2, cs., c.l., same basis....lb. .14½- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis.lb. .13½- —
dust., cs., c.l., same basis.lb. .05¾- —
seeds, cs., c.l., same basis.lb. .09½- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .07¾- —
less than 10,000 lbs., same basis..lb. .08 - —
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l., lb. .08¼- —
l.c.l. same basis.....lb. .08½- —
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l. lb. .08½- —
l.c.l., same basis.....lb. .08¾- —
Euphorbium, cs.....lb. .17 - .18
Gelbanum, cs.....lb. .95 - 1.00
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls.....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Gualac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14½- .28
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .35 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12¼- —

Gum, kauri, pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins.....lb. 2.50 - 2.75
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .36 - .37
Olibanum, siftings, bls.....lb. .07½- .18
tears, cs.....lb. .13 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .25 - .26
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs.....lb. .10½- .11
Talha, bgs.....lb. .07½- .08
Thus, bbls.....280 lbs.13.50 -14.00
Tragacanth, Aleppo 1, cs....lb. 2.75 - 3.00
2, cs.....lb. 2.40 - 2.45
3, cs.....lb. 2.35 - 2.40
4, cs.....lb. 2.30 - 2.35
5, cs.....lb. 2.25 - 2.30
Flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03¼- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —

Gum, Benzoin—Heptane

Gypsum, plaster of paris, paper bgs., c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald, ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls. lb. .12 - .13
Helonias root, bls.....lb. .70 - .75
Hematine crystals, bbls.....lb. .18 - .28
Hemlock extract, 25% tan., bbls. lb. .03 - .04
Hempseed, Manchur., bgs.....lb. .06 - .06¼
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .07½- .09
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —

New Uses

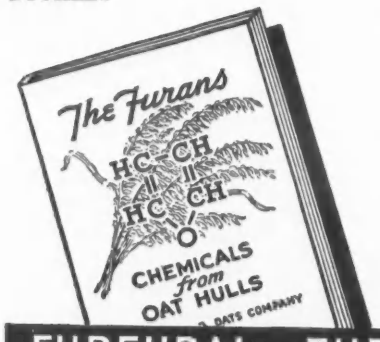
Keeping apace with progress involves immediate investigation of new products and their uses. To procrastinate is dangerous—even disastrous. So we say—recognize the handwriting on the wall which foretells profitable future developments for those investigating new uses of

Tetrahydrofurfuryl ALCOHOL

Acquaint yourself with it now. The properties of Tetrahydrofurfuryl Alcohol recommend it as a special solvent for synthetic resins and dyes when the usual solvents fail to disperse the material in question. Reports indicate wetting action worthy of further study and other applications will doubtlessly suggest themselves on consideration of its characteristics.

The boiling range of this alcohol is 175-180°C.; its specific gravity is 1.055 (20°C). Among its desirable features are its light color and non-toxic character under most operating conditions.

WRITE FOR THIS FREE BOOKLET



Many manufacturers are finding that Tetrahydrofurfuryl Alcohol meets their needs and possibly there are places for it in your processes. We would be glad to consider the matter with you.

Please write for the complimentary booklet "The Furans" describing Furfural and its derivatives, including Tetrahydrofurfuryl Alcohol.

The Quaker Oats Company
Technical Division 2-3 Chicago, U. S. A.

FURFURAL - FURFURYL ALCOHOL - HYDROFURAMIDE
... TETRAHYDROFURFURYL ALCOHOL ...

Heptane—Lead, Red

Heptane, normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs, or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.00 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls. .....lb. .12 - .15
Hydrangea root, bls.....lb. .12 - .13
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 oz. .....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz .....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. 100 vols., cbys., E.ofMiss.R.lb, W. of Miss. R. .....lb. .03¾- .04 .19½- .20 .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs .....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, Nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indel, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs, 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.65 - —
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .90 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jars, 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs. .....lb. 1.25 - 1.30
powd., bxs. .....lb. 1.35 - 1.40
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhyd., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equid..lb. .05 - .06
kegs, works, frt. alld. or equid..lb. .07½- .08
liquor, cbys., works, frt. alld. or equid..lb. .05 - .06
USP X, cryst., bbls.....lb. .07¼- —
kegs .....lb. .08⅛- —
USP solut., cbys., works, frt. alld. or equid..lb. .06½- .07
djns .....lb. .07½- —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots. .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02⅝- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Iron, pyrophosphate, pearls, cns. lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs. .....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs. .....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06¼- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .06½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .12 - .13
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .04 - .04½

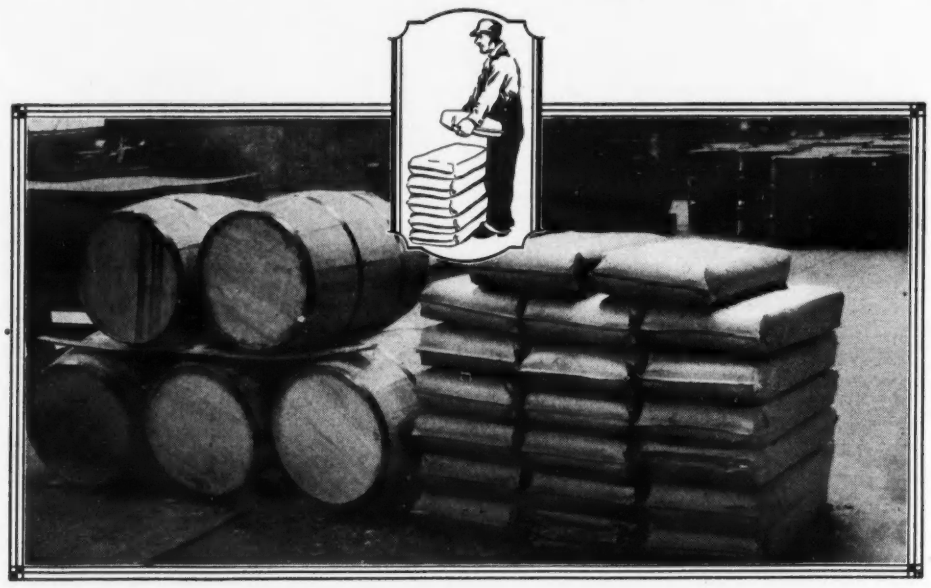
K

Kamala, tins .....lb, .34 - .36
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .05¾- —
Gulf ports, p.w., bulk, export, gal. .04½- —
w.w., bulk..gal. .04¾- —
Louisiana-Arkansas, 41-43 w.w., bulk..gal. .04½- .04¾
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04½- .04¾
42-44 w.w., tanks.....gal. .04¼- .04½
Pennsylvania, 45 w.w., tanks, gal. .05¼- .05¾
46 w.w., tanks.....gal. .05¾- .05½
47 w.w., tanks.....gal. .05½- .05¾
Kerosene, tankwagon:—
Atlanta .....gal. .14 - —
Boston .....gal. .08½- —
Chicago .....gal. .102 - —
Cincinnati .....gal. .13 - —
Denver .....gal. .11½- —
Louisville .....gal. .10½- —
Minneapolis .....gal. .106 - —
New Orleans .....gal. .12 - —
New York .....gal. .08¾- —
San Francisco .....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city tubs.....100 lbs. 9.50 - 9.75
Middlewestern, trcs....100 lbs. 9.50 - 9.60
Neutral, trcs.....100 lbs.10.75 -11.00
Western, choice, trcs..100 lbs. 9.55 - 9.65
Compound, trcs.....100 lbs.10.50 -10.75
Larkspur seed, bgs.....lb. .30 - .33
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .05 - .05½
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls.....lb. .50 - .55
Lead acetate, white, broken, bbls..lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., dealers E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
l.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .12¾- —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic sulphate, bbls., c.l., dlvd., E..lb. .05¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06 - —
l.c.l., dlvd., E.....lb. .06 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars .....lb. 2.40 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .18 - —
5 lb. cont., f.o.b. works..lb. .21 - —
Nitrate, bbls.....lb. .10¼- —
Oleate, bbls. .....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0725- —
other points.....lb. .0700- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .08¼- —
Colo., Mont., N. Mex., Wyo.....lb. .08 - —
other points.....lb. .07½- —

Asphalt in Jaite Multi-Wall Paper Bags



SATISFIES THE CONSUMER

Paper bags handle easily.
Asphalt kept clean until used.
Asphalt readily removed.
Easily measured: bags hold 100 pounds.
No container to return.

PLEASES THE DEALER

Convenient, branded package to sell.
No waste: assured profit on smaller sales.
Half the storage space required by barrels.
No container to return.

HEAVY DUTY WATERPROOFED JAITE MULTI-WALL BAGS
MANUFACTURED BY THE JAITE COMPANY JAITE, OHIO

AND THE MANUFACTURER IS GRATIFIED

With the ease in which these 100% units are filled, handled and shipped.
Because these containers are kind to those who handle them.

We manufacture Tailor-Made Paper Bags for Manufacturers and Shippers of Chemicals, Colors, Fertilizer, Rosin, Asphalt, etc., etc.

Write for Samples and Prices

THE JAITE CO.

Jaite, Ohio

Branches in: St. Helens, Oregon; Wilmington, California; San Francisco, California

Lead, red, dry, 95%, l.c.l., smaller lots, divd., Ala., etc..lb. .08¼ - —
Ariz., etc.....lb. .08¾ - —
Colo., etc.....lb. .08½ - —
other points.....lb. .08 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0750- —
other points....lb. .0725- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08 - —
Ariz, etc.....lb. .08¼ - —
Colo., etc.....lb. .08¼ - —
other points.....lb. .07¾ - —
smaller lots divd., Ala., etc..lb. .08¼ - —
Ariz. .....lb. .09 - —
Colo. .....lb. .08¾ - —
other points.....lb. .08¼ - —
95%, Pb_3O_4, bbls., c.l., (20 tons), divd., Ala., etc..lb. .0775- —
other points.....lb. .0750- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼ - —
Ariz., etc.....lb. .08¾ - —
Colo., etc.....lb. .08½ - —
other points.....lb. .08¼ - —
smaller lots, divd., Ala., etc..lb. .08¾ - —
Ariz., etc.....lb. .09¼ - —
Colo., etc.....lb. .09 - —
other points.....lb. .08½ - —
in oil, 100-lb. kgs.....lb. .11¾ - —
Resinate, fused, 16%, bbls...lb. .09½ - —
pale, bbls. .....lb. .11½ - —
precip., bbls.....lb. .16½ - —
Stearate, bbls. .....lb. .22 - .23
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, divd., lb. .11¼ - —
smaller lots .....lb. .11½ - —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .06½ - —
other points.....lb. .06¼ - —
l.c.l., divd., Ariz., etc.lb. .06¾ - —
other points.....lb. .06½ - —
basic sulphate, bbls., c.l., divd., Ariz., etc..lb. .06 - —
other points.....lb. .05¾ - —
l.c.l., divd., Ariz., etc...lb. .06¼ - —
other points.....lb. .06 - —
in oil, 100-lb. kgs., consumers. lb. .11¼ - —
dealers .....lb. .09¼ - —
painters .....lb. .10¼ - —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½ - .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.50 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 6.25 - —
Easton, La.....ton. 7.00 - —
Farnams, Mass.....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 7.00 - —
Leroy, Minn.....ton. 8.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Potoskey, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va.....ton. 6.25 - —
Riverton, Va.....ton. 6.25 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.25 - —
Woodville, Ohio.....ton. 7.00 - —
Lime, hydrated, paper bgs., f.o.b. Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo .....ton.10.00 - —
California, northern..ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Easton, La.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pelham, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 8.00 - —
Riverton, Va.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b., Bellefonte, Pa.....ton. 9.00 - —
Durbin, Ohio.....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonberg, Ohio.....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —

Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½ - .08¼
dms., same basis.....lb. .10½ - —
400 lbs., or more, bgs., same basis..lb. .07¾ - .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½ - .09¼
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer. gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½ - —
30-50 dms.....gal. .11 - .15
Zone 8, tanks, dealers, divd., gal. .11¼ - —
30-50 dms.....gal. .14 - .18
Lime-sulphur solut., Zone 4, tanks, dealers, wks..gal. .08 - —
dms., c.l. and l.c.l....gal. .13 - .14
Zone 5, tanks, dealers, divd., gal. .10½ - —
c.l. and l.c.l.....gal. .13 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Allegancy; Tenn., east of Tenn. River. Zone 2: New England States, N. Y., N. J., Md., Dela., Va., and the eastern tier of Penna., and the eastern tier of W. Va., and N. C., the counties not in Zone 1. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5.
Linalool, cns.....lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs...lb. 1.70 - 6.30
Linden flowers, with leaves, bls.lb. .19 - .20
without leaves, bls.....lb. .16 - .17
Linseed cake, bgs., export....ton.30.00 - —
Meal, 32%, dom., bgs.....ton.40.00 - —
Litharge, com'l, powd., bbls., 20-tons divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0635 - —
other points.....lb. .0600- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash...lb. .06¾ - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07¼ - —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points .....lb. .06¾ - —
smaller lots, divd. Ala., etc. lb. .07¼ - —
Ariz., etc. .....lb. .07¾ - —
Colo., etc. .....lb. .07½ - —
other points.....lb. .07 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. drms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, divd. E or ex whse. Pac Cst.....lb. .05⅞ - —
smaller lots, same basis.lb. .06½ - —
bbls., 20 tons, same basis, lb. .06½ - —
smaller lots, same basis.lb. .06⅝ - —
ordinary, bgs., 20 tons, same basis..lb. .04½ - —
smaller lots, same basis.lb. .04⅝ - —
bbls., 20 tons, same basis, lb. .04½ - —
smaller lots, same basis.lb. .04⅝ - —
titanated, bgs., 20 tons, same basis..lb. .05¾ - —
smaller lots, same basis.lb. .06½ - —
bbls., 20 tons, same basis, lb. .06½ - —
smaller lots, same basis.lb. .06⅝ - —
Liverwort leaves, bls.....lb. .18 - .12
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs. .....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, bbls.....lb. .09½ - .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
import, bls. .....lb. .35 - .37
Lupulin, N.E., tins..... lb. 1.90 - 2.00
Lycopodium, cs..... lb. 1.15 - 1.20

M

Mace, Banda, cs.....lb. .54½ - .55
Batavia, cs. .....lb. .47 - .48
Siauw, 1, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, cyl.....lb. .18 - .20
Calcined, tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila. .....lb. .25 - .30
1-lb. pkgs., same basis.lb. .35 - .40
light, bbls., same basis..lb. .20 - .25
1-lb. tins, same basis..lb. .30 - .35
USP, heavy, bbls., same basis lb. .25 - .30
1-lb. pkgs., same basis.lb. .35 - .40
special, bbls., same basis, lb. .22 - .27
Standard light, bbls., same basis..lb. .20 - .25
1-lb. tins, same basis...lb. .30 - .35
calcined, USP, import., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls.....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼ - —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼ - —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾ - —
l.c.l. .....lb. .09¼ - —
USP, Zone 1, bbls., c.l.....lb. .08¼ - —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾ - —
l.c.l. .....lb. .10¼ - —
Magnesia carbonate:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld., including divd. store-door.
Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls .....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc).
Silicofluoride, bbls. .....lb. .09½ - .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
c.l..lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 300 lbs..lb. .29 - —
dms., 24 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .34 - —
Malva flowers, black, bls.....lb. .45 - .47
blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca root, bls. .....lb. .20 - .22
Mandrake root, bls.....lb. .20 - .21
Manganese acetate, dms. .....lb. .26½ - —
Arsenate, bgs. .....lb. .12 - .12¾
Borate, tech., bbls. .....lb. .15 - .16
Carbonate, bbls .....lb. .19 - —
Chloride, bbls. .....lb. .07¼ - .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works..ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.50 - —
l.c.l., 5 tons, works..ton.67.50 - —
smaller lots, works.ton.72.50 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works.ton.65.50 - —
84-87% bgs., 28-40 tons, wks. ton.57.00 - —
5-15 tons,wks.....ton.60.00 - —
½-4 tons, wks.....ton.65.00 - —
300-600 lbs., wks.....ton.75.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots.....lb. 2.61 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs .....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots .....lb. .71 - —
cns., 25 lbs .....lb. .81 - —
Hydrate, bbls., divd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs .....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .16 - .10½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, 50-52%, basis, bbls., c.l., Atl. ports..unit-ton. .45 - .47
Resinate, fused, 3½%, bbls...lb. .08¼ - .08½
precip., dms. .....lb. .12 - —
Sulphate, anhyd., bbls., works. lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., divd. South..ton.48.75 - —
l.c.l., bgs. .....ton.55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½ - —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shpt..ton.25.00 - —
Manna flake, large, cs.....lb. .40 - .41
small, cs.....lb. .22 - .23
Mannitol, pure, cryst., cs., works. lb. 1.45 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17 - .17½
Tunisan, bls.....lb. .16½ - .17
Matico leaves, bls.....lb. .25 - .26
Menthol, U.S.P., natural, cs..lb. 3.10 - 3.20
synthetic, tech., cs.....lb. 2.25 - —
U.S.P., cs. .....lb. 3.00 - —
liquid, dms., 40 lbs. ....lb. 1.60 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. .77 - —
25 lbs.....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs.....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
flb., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs., lb. 3.67 - —
cns., 25 lbs.....lb. 3.55 - —
flb., dms., 100 lbs.....lb. 3.55 - —
yellow, bls., 5 lbs.....lb. 3.67 - —
cns., 25 lbs.....lb. 3.68 - —
flb., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Oxide red, N.F. (see Red precapitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.12 - —
USP, flb. dms., 50 lbs. or more..lb. 1.64 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
flb., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½ - .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½ - —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
Metal leaf, gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in. .....pkg.16.15 -17.50
4x4 in. .....pkg.19.50 -20.00
3⅝x5⅞ in. .....pkg.22.50 -23.00
3⅞x5⅞ in. .....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls.....lb. 1.45 - —
Metaphenylenediamine, kgs...lb. .80 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .34 - —
tanks, frt. alld., E. of Rockies..gal. .28 - —
Methanol, denat., grade, prices on Pacific Coast are 4c. per gal. higher.
pure, nat'l or synth., dms., c.l., Zone 1, frt. all..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or divd..gal. .40½ - —
2, frt. alld. or divd..gal. .47 - —
3, frt. alld. or divd..gal. .44½ - —
4, frt. alld. or divd..gal. .60 - —
tanks, Zone 1, frt. alld.gal. .33 - —
2, frt. alld.....gal. .35½ - —
3, frt. alld.....gal. .36½ - —
4, frt. alld.....gal. .37 - —
95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt alld.
Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal.; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
l.c.l., dms., divd. E. of Miss. R..lb. .08½ - —
W. of Miss. R.....lb. .09½ - —
tanks, divd. E. of Miss. R. lb. .07 - —
W. of Miss. R.....lb. .08 - —
tech, dms., c.l., divd. E. of Miss. R..lb. .07½ - —
W. of Miss. R.....lb. .08½ - —
l.c.l., dms., divd. E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
tanks, divd. E. of Miss. R. lb. .06½ - —
W. of Miss. R.....lb. .07½ - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½ - —

Lead, Red—Molasses

Methyl acetone, nat., dms., c.l., contracts, Zone 1..gal. .31½ - —
2 .....gal. .34½ - —
3 .....gal. .35½ - —
4 .....gal. .37½ - —
tanks, contracts, Zone 1.gal. .26½ - —
2 .....gal. .29 - —
3 .....gal. .30 - —
4 .....gal. .30½ - —
Methyl acetone, natural, prices are quoted for direct shipment from refinery, f.o.b. shipping point, freight allowed to destination; barrel packing, 2½c. per gal. more in all brackets. The sale zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn, R. I., Tenn., Vt., Va., W. Va., Wis., Ala., Ark., Ga., Kans., La., Miss., Neb., N. D., S. C., S. D.; Zone 2, Col., Fla., Okla., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .42 - —
2, frt. alld. E. of Rockies, gal. .45 - —
3, Pacific Coast.....gal. .46 - —
l.c.l., Zone 1, frt. alld, E. of Rockies..gal. .44½ - —
2, frt., alld. E. of Rockies..gal. .51 - —
3, Pacific Coast.....gal. .48¼ - —
tanks, Zone 1, frt. alld. E. of Rockies.....gal. .36 - —
2, ft. alld. E. of Rockies, gal. .38½ - —
3, Pacific Coast.....gal. .39½ - —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast
Alcohol (see Methanol).
Anthranilate, bots. .....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl.....lb. .60 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.
Cinnamate, bots.....lb. 2.45 - 3.75
Formate, dms.....lb. .35 - .39
Iodide, bots., jars.....lb. 5.80 - 5.85
Salicylate, dms.....lb. .40 - .43
cns. .....lb. .42 - .45
Violet toner, bbls.....lb. .38 - —
permanent, bbls. .....lb. .30 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½ - —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½ - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs. .....lb. 2.35 - —
Chloride, dms., f.o.b. works.lb. .18 - .23
Methylheptenone, bots. .....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp, bots. .....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs., c.l., works.ton.55.00 - —
l.c.l. works.....ton.45.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.50.00 -60.00
second grade, bgs., c.l., works..ton.28.90 -30.00
l.c.l., works.....ton.29.90 -47.50
300, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.25.50 -30.00
l.c.l., works.....ton.30.00 -37.50
wet-ground, paint or lacquer, bgs., c.l., divd. E..lb. .04¼ - —
l.c.l., 1,000 lbs., divd. E..lb. .04¾ - —
smaller lots, divd. E..lb. .05¼ - —
paper, wall or coated bgs., c.l., frt. alld., E..lb. .04½ - —
l.c.l., 1,000 lbs., frt. all., E..lb. .04⅝ - —
smaller lots, frt. all., E..lb. .05½ - —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., 1,000 lbs., ft., allid., E..lb. .04½ - —
smaller lots, frt. allid., E..lb. .05 - —
wet-ground mica prices are ½c. per pound higher on Pacific Coast
Milk powder, skimmed, roller, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
spray, bbls., c.l.....lb. .09 - —
l.c.l. .....lb. .10 - —
unskimmed, roller, bbls., c.l..lb. .20 - —
l.c.l. .....lb. .20½ - —
spray, bbls., c.l.....lb. .20 - —
l.c.l. .....lb. .20½ - —
Millet seed, yellow, bgs.....lb. .03 - .03½
hulled, bgs.....lb. .05½ - .06
Mineral spirits (see Petroleum thinner and V M & P. naphtha).
Molasses, blackstrap, tanks..gal. .07 - —
New Orleans.....gal. .06½ - —

Molybdate—Orthotoluidin

Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monobutylamine dms., l.c.l., works..lb. .65 - —
Monochlorobenzene, dms.....lb. .06 - .06½
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l. works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns.....lb. .80 - .85
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs., or more..lb. 3.25 - —
5 lbs. to 75 lbs.....lb. 3.50 - —
1 lb.....lb. 3.65 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb.....lb. 3.80 - —
xylol, cns., 100 lbs. or more, lb. 1.00 - —
5 lbs. to 75 lbs.....lb. 1.10 - —
1 lb.....lb. 1.25 - —
Musk root, bls.....lb. .12 - .13
Mustard seed, Bombay, brown, bgs..lb. .06 - .06½
California, brown, bgs.....lb. .07½- .07½
yellow, bgs.....lb. No stocks.
Chinese, yellow, bgs.....lb. .05¾- .06¼
Danish, yellow, bgs.....lb. .07¾- .08
Dutch, yellow, bgs.....lb. .08 - .08½
English, yellow, bgs.....lb. .08¾- .09
Hungarian, yellow, bgs....lb. .07¾- .08¼
Roumanian, yellow, bgs....lb. .05¾- .06¼
Myrobalans, J1, bgs., shipt..ton.29.00 - —
J2, bgs., shipt.....ton.21.00 - —
R2, bgs., shipt.....ton.20.50 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼
solid, 50% bbls.....lb. .04¾- —
powdered, 70% bbls.....lb. .05¾- —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S),
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks.... 100 lbs. 2.35 - 2.85
78 deb., bgs., bbls., wks.. 100 lbs. 2.75 - 3.35
Naphthalene, crude, import, bgs., Atl. ports..100 lbs. 2.20 - 2.25
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07¼- —
cs., same basis.....lb. .07½- —
pkgs. (16 oz.), same basis, lb. .08 - —
(12 oz.) same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06½- —
rice, cryst., powd., bbls., same basis..lb. .07¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls .....lb. .36 - .37½
Chloride, bbls. .....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb. tins .....lb. .86½- —
Niterenke, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07¼- —
Nitrocellulose, alcohol-soluble, ¼, and 40. sec. vis., bbls., works..lb. .28 - —
Nitrocellulose, bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .20 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd....unit-ton. 2.35 - —
Chemical, Ill....unit-ton. 2.40 - —
East Coast producing points..unit-ton. 2.75 - —
import, bgs., c.i.f. Atlantic ports, shipt. unit-ton. 2.50 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs.. cs.....lb. No prices
Chinese, shipt., cs.....lb. No prices
Extract (see Gall extract).
Nutmegs, 60s, bgs., cs.....lb. .19½- .19¾
110s, bgs., cs.....lb. .17¼- .17½
West Indian, bgs.....lb. .12 - .12¼
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l., works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.50
s.p.a., bots.....lb. 2.05 - 2.75
sweet, true, exp., cns.....lb. .68 - .70
Amber, crude, cns.....lb. .16 - .17
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.61.25 -100.00
seed, bots.....lb.70.00 -80.00
Oil, anilin (see A).
Anise, USP, cns., dms.....lb. 1.05 - 1.10
Apricot kernel, cns.....lb. .28 - .32
Babassu, tanks.....lb. .06¾- —
Bay, W. I., cns.....lb. 1.35 - 1.50
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 4.00 - —
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectif'd, cns.....lb. .65 - .70
Bois de rose, Brazil, cns....lb. 1.55 - 1.60
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .55 - .60
USP IX, cns.....lb. .66 - .72
Calamus, cns.....lb. 3.75 - 7.50
Camphor, sassafrassy, cns....lb. dms. .20 - .21
dms. .17 - .18
white, cns.....lb. .20 - .21
dms. .17 - .18
Cananga, native, cns.....lb. 1.50 - 1.65
rectified, cns.....lb. 2.15 - 2.75
Capsicum (oleoresin), USP VIII, cns..lb. 2.00 - 2.25
Caraway, USP, cns.....lb. 1.95 - 2.05
Cardamom, bots.....lb.20.00 -33.00
Cassia, USP, cns., dms.....lb. 1.05 - 1.10
Castor, blown, one-way dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12 - —
medicinal, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —
cns. (1-gal.), l.c.l.....lb. .13½- —
dms. (returnable), c.l....lb. .09½- —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l.....lb. .11½- —
tanks .....lb. .09 - —
No. 3, bbls., c.l.....lb. .09¼- —
l.c.l. .....lb. .10 - —
dms. (returnable), c.l....lb. .09 - —
l.c.l. .....lb. .09¾- —
tanks .....lb. .08½- —
Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
sulphonated, 50% (43% fat), dms., c.l..lb. .06¼- .06¾
l.c.l. .....lb. .07¼- .08¾
75% (63% fat), dms., c.l..lb. .09 - .09½
l.c.l. .....lb. .10 - .10½
80% (68% fat), dms., c.l..lb. .09½- .10½
l.c.l. .....lb. .10½- .11
Cedarleaf, cns.....lb. .75 - .80
dms. .....lb. .72 - .77
Cedarwood, Oregon, cns., dms., lb. .28 - .80
Southern, cns., dms.....lb. .20 - .23
Celery, bots.....lb. 8.75 -14.00
Chaulmoogra, USP, cns., 500 lbs. lb. .90 - —
25 lbs.....lb. 1.00 - —
Chinawood, dms.....lb. .12½- .13
tanks .....lb. .12 - .12¼
Cinnamon, Ceylon, bots.....lb. 8.00 -22.00
Seychelle, bots. .....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .36½- .38½
dms. .....lb. .34½- .36¾
Java, dms.....lb. .41 - .43
Clove, makers, USP, cns....lb. 1.02 - —
dms. .....lb. 1.00 - —
Coconut, Manila, crude, tanks..lb. .03¾- .03⅞
Pac. Cst.....lb. .03⅝- .03¾
edible, 76°, tax incl., dms., (returnable), c.l..lb. .09¼- —
l.c.l. .....lb. .09¾- —
tanks .....lb. .08¾- —
Cod, Newfoundland, tanked, bbls..gal. .50 Nom.
Norwegian, shipt., bbls...gal. .29 - .32
Codliver, med., U.S.P., Norwegian, bbls..bbl.26.00 - 27.00
Coriander, bots.....lb.18.00 -19.00
Corn, crude, tanks, works...lb. .07¾- .07⅞
refd., bbls.....lb. .10½- .10¾
Cottonseed, dom., cooking, bbls., lb. .09½- —
salad, bbls.....lb. .09¾- —
import., Brazilian, semi-refd., dms..lb. .0485- —
British, semi-refd. dms..lb. .05 - —
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.85 - 3.10
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import., cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.95 - —
California, 24 plus, bulk..bbl. 1.45 - 1.70
Dill, seed, bots.....lb. 3.00 - 3.75
Weed, bots.....lb. 3.85 - 4.10
Dip (see D).
Erigeron, cns.....lb. 2.40 - 2.50
Eucalyptus, cns.....lb. .42 - .43
dms. .....lb. .40 - .41
Fennel, sweet, cns.....lb. 1.20 - 1.30
Fuel, bunker, California, tide-water..bbl. .90 - 1.00
Gulf Coast.....bbl. .85 - .90
Louisiana, Arkansas, 10-14, bbl. .80 - .85
N. Y. and N. J. terminals:—
Monday .....bbl. 1.15 - —
Tuesday .....bbl. 1.15 - —
Wednesday .....bbl. 1.15 - —
Tuesday .....bbl. 1.15 - —
Friday .....bbl. 1.15 - —
Saturday .....bbl. 1.15 - —
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test.....bbl. 1.10 - 1.15
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04⅝- .04¾
Furnace, Bayonne, 1, bulk, refinery..gal. .06 - —
2, bulk, same basis.....gal. .04¾- —
4, bulk, same basis.....gal. .04¾- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03⅞- .04
Oklahoma, 28-30.....gal. .03¼- .03½
32-36 .....gal. .03½- .03¾
36-38 .....gal. .03¾- .03⅞
38-40, straw.....gal. .03⅝- .04
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .05 - —
Gulf Coast, bulk.....gal. .04½- .04¼
North Texas, bulk.....gal. .02⅞- .03
Oklahoma, bulk.....gal. .02⅞- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns.lb. 3.65 - 4.50
Bourbon, cns.....lb. 3.40 - 3.80
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 2.15 - 2.20
Ginger, dist., bots.....lb. 7.75 - 8.00
Gualac wood, concrete, bots.lb. 2.75 - 3.10
Haarlem, import., bots....gross 3.25 - 3.35
Halibut-liver, dms., 1,000 A unit gal. .75 - 1.00
Hemlock, cns.....lb. 1.05 - 1.10
Juniper berry, USP, cns.....lb. 1.20 - 1.75
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lb. dms..lb. .40 - .45
cns. .....lb. .45 - .50
Lard, common, 1, bbls.....lb. .09 - —
2, bbls. .....lb. .08¾- —
extra, bbls. .....lb. .10 - —
1, bbls. .....lb. .09½- —
winter, strained, extra, bbls., lb. .10¼- —
prime burning, bbls.....lb. .11¼- —
prime, ed., bbls.....lb. .12¼- —
ined., bbls.....lb. .10¾- —
Laurel, bots.....lb. 6.25 - 6.80
Lavandin, cns., 25 lbs.....lb. 2.25 - —
Oil, lavender flower, French, USP, 50% ester, cns..lb. 5.50 - 5.60
U.S.P., 38-42% ester, cns.lb. 4.75 - 4.90
XI, 35% ester, cns.....lb. 3.70 - 4.50
XI, 30%, ester, cns.....lb. 2.80 - 3.00
IX, 30% ester, cns.....lb. 2.65 - 2.75
VIII, 30% ester, cns.....lb. 2.25 - 2.35
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.06 - 1.10
dms. .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.45 - 4.00
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., cns.....lb. 4.75 - 5.50
expressed, cns.....lb. 8.00 - 9.50
Linaloe wood, cns.....lb. 1.30 - 1.40
Linseed, boiled, bbls., c.l....lb. .1010- .1030
l.c.l., 5 or more.....lb. .1050- .1070
less than 5.....lb. .1090- .1110
tanks .....lb. .0950- .0970
double boiled, bbls., less than 5 lbs..lb. .1110- .1130
raw, bbls., c.l. .....lb. .0970- .0990
l.c.l., 5 or more.....lb. .1010- .1030
less than 5.....lb. .1050- .1070
tanks .....lb. .0910- .0930
Lovage, bots. .....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4½, 15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks....gal. .13 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks..gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600 cold test, 10-15 pour, tanks.gal. .20 - —
10-40 pour, tanks.gal. .19 - .19½
cylinder, 600 fire, tanks, gal. .12½- —
600 flash, tanks.....gal. .16 - —
630 flash, tanks.....gal. .19 - —
635 fire, tanks.....gal. .13½- —
650 fire, tanks.....gal. .16 - —
Warren, E, amber, tanks, gal. .17 - —
neutral, 150 vis., 3 color, tanks..gal. .24 - —
180 vis., 3 color, tanks.gal. .26 - —
200 vis., 2 color, tanks.gal. .28½- —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .27½- .28
unfiltered, 600 s.r....bbls., f.a.s..gal. .21½- —
600 flash, s.r., bbls., c.l., gal. .25½- —
630 s.r., bbls., c.l., f.a.s. gal. .25 - —
Warren, E, bbls., c.l., f.a.s. gal. .25½- —
smaller lots, f.o.b..gal. .27½- —
Mace, dist., cns., dms.....lb. 1.25 - 1.30
Mandarin, superior, coppers..lb. 6.00 - 7.50
Menhaden, crude, tanks, f.o.b. Balto..gal. .35 Nom.
refd., alkali, dms.....lb. .0930- .0950
tanks .....lb. .0870- —
blown, dms.....lb. .0930- .0950
kettle-bodied, dms.....lb. .1030- .1050
light pressed, dms.....lb. .0870- .0910
tanks .....lb. .0800- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns...lb. 1.75 - 1.80
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....lb. .75 - .80
Neatsfoot, cold test, bbls....lb. .16¼- —
extra, bbls. .....lb. .09¾- —
1, bbls. .....lb. .09¼- —
pure, bbls.....lb. .12½- —
prime, bbls.....lb. .10¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.115.00 -140.00
Nutmeg, USP, cns., dms.....lb. 1.25 - 1.30
Oiticica, dms .....lb. .10¾- .11¼
Oleo, 1, bbls.....lb. .09¼- —
2, bbls. .....lb. .08¾- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. 1.00 - 1.05
edible, bbls.....gal. 1.90 - 2.00
foots, bbls. .....lb. .08¾- .09
sulphonated, 50% (43% fat), dms., c.l...lb. .11½- .12
l.c.l. .....lb. .12½- .13
75% (63% fat), dms., c.l..lb. .13½- .14
l.c.l. .....lb. .14½- .15
80% (68% fat), dms, c.l..lb. .14½- .15
l.c.l. .....lb. .15½- .16
Orange sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms..lb. 1.30 - 1.35
Calif., cns.....lb. 1.75 - —
Florida, cns.....lb. 1.75 - —
Messina, USP, coppers.lb. 2.25 - 3.00
West India, cns.....lb. 1.95 - 2.00
Origanum, Spanish, cns.....lb. .90 - 1.60
Orris, Florentine, concrete, extra strong, bots..oz. 5.25 - 5.50
Palm, Niger, cks.....lb. .04 - .04¼
shipment .....lb. .0365- —
softs, 12½%, bulk, shipt....lb. .0355- —
20%, bulk, shipt.....lb. .0345- —
Sumatra, shipt., bulk.....lb. .03⅝ Nom.
Palmarosa, cns.....lb. 2.05 - 2.75
Palmkernel, bulk, shipt.....lb. .04¼ Nom.
Paraffin, 320° flash, 60-70 vis. tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 4.50 - 8.00
Peanut, crude, dom., tanks..lb. .07½- .07¾
refd., edible, bbls.....lb. .10¼ Nom.
Pennyroyal, dom., cns.....lb. 1.40 - 1.45
import, cns.....lb. 1.40 - 1.50
Peppermint, natural, cns., dms., lb. 2.05 - 2.30
redist., USP, cns., dms....lb. 2.25 - 2.50
Perilla, dms .....lb. .10½- .10¾
tanks .....lb. .10¼- .10½
Petitgrain, Paraguay, cns....lb. 1.05 - 1.10
Pimento berry, cns.....lb. 3.65 - 7.50
leaf, cns.....lb. 2.40 - 2.50
Oil, pine, dest.-dist., straw-color, dms., dlvd., E. ports...gal. .52 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.02 - 1.05
Putty, bbls., El Segunde, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martines, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14½- .14¾
denat., bbls.....gal. .88 - .90
Red, dist. or saponif, bbls. dlvd..lb. .09¾- .10⅝
dms., dlvd.....lb. .09½- .10½
tanks, dlvd.....lb. .08¾- .09¾
white, dms.....lb. .12⅛- .13
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms. .....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .51 - .53
2d rectfd., dms.....gal. .53 - .55
3d rectfd., dms.....gal. .57 - .59
Rue, bots.....lb. 2.15 - 2.20
Sage, cns .....lb. 1.45 - 1.50
Sandalwood, Australia, cns..lb. 4.50 - 5.00
E.I., U.S.P., cns.....lb. 5.25 - 5.50
Sardine, crude, tanks, Pac. Cst..gal. .46½- —
refd., alkali, dms.....lb. .0930- .0950
tanks .....lb. .0870- —
kettle-bodied, dms.....lb. .1030- .1050
light, pressed, dms.....lb. .0870- .0890
tanks .....lb. .0800- —
Sassafras, artif., cns.....lb. .37 - .38
dms. .....lb. .35 - .36
natural, cns., dms.....lb. .99 - 1.05
Savin, cns. .....lb. 1.50 - 1.60
Savory, cns. .....lb. 2.00 - 2.25
Sesame, dom., refd., white, dms. lb. .10¼- .10½
Shingle stain, bbls., c.l., works, gal. .18 - —
l.c.l., works.....gal. .21 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms..lb. .0780- .0800
tanks .....lb. .0700- —
refd., dms.....lb. .0880- .0970
tanks .....lb. .0820- —
Spearmint, U.S.P., cns.....lb. 1.60 - 1.70
Sperm, bleach, 38°, dms.....lb. .1000- .1020
45°, dms .....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cns., dms.....lb. 1.05 - 1.10
Sweet birch, North, cns.....lb. 2.25 - 3.50
South, cns.....lb. 1.65 - 2.00
Tallow, acidless, bbls.....lb. .09¼- —
tanks .....lb. .08¾- —
Tansy, cns. .....lb. 4.35 - 4.75
Tar, com'l, dms., c.l., dlvd., E. cities..gal. .26 - —
E. ports .....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., U.S.P., bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T).
Teased, crude, dms.....lb. .08¼- .08½
Tea Tree (see Oil, ti tree).
Thyme, NF, red, dms.....lb. .69 - 1.50
white, dms. .....lb. .78 - 1.70
Ti tree, cns.....lb. 3.50 - 4.00
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns. .....gal. 4.25 - 5.00
Valerian, bots. .....lb.11.00 -12.00
Vetiver, bots. .....lb. 4.35 -16.50
Walnut, crude, dms.....lb. .13¼- —
refd., dms. .....lb. .14½- —
Whale, refd., natural, dms..lb. .0940- .0960
winter, bleach, dms.....lb. .0980- .1000
Wheat germ, phar., cns., dms. gal.22.50 -30.00
feedstuff, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms.....gal. .42 - —
65-75 vis., dms.....gal. .44 - —
80-90 vis., dms.....gal. .45 - —
U.S.P., 80-90 vis., dms..gal. .49 - —
95-105 vis., dms.....gal. .57 - —
125-135 vis., dms.....gal. .64½- —
140-150 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
200-210 vis., dms.....gal. .74½- —
320-330 vis., dms.....gal. .80½- —
335-345 vis., dms.....gal. .82 - —
Russian, 80-90 vis., dms..gal. .49 - —
145-153 vis., dms.....gal. .66 - —
175-185 vis., dms.....gal. .72½- —
335-345 vis., dms.....gal. .82 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.70 - 2.75
Wormwood, cns.....lb. 2.65 - 2.70
Ylang-ylang, Bourb., bots., cns., lb. 3.50 - 6.00
Manila, bots. .....lb.18.00 -24.00
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .10¼- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10⅝- —
Colo., Mont., N. M., Wyo..lb. .10½- —
Other points.....lb. .10 - —
smaller lots, dlvd., Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11 - —
Other points.....lb. .10½- —
French, Tours, csks, ex dock, lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .33 - .35
Orange peel, bitter, bls.....lb. .08 - .09
sweet, bls. .....lb. .09 - .10
Orris root, Florentine, bgs.....lb. .10 - .11
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .15
Verona, bls.....lb. .09 - .10
powd., bxs., cs.....lb. .12 - .12
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works.lb. .16½- —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, kgs..lb. .18 - —
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .08 - —
Orthotoluenehydrochloride, dms.lb. .22 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .10 - —

SCULPTURED IN METAL BY L. L. BALCOM

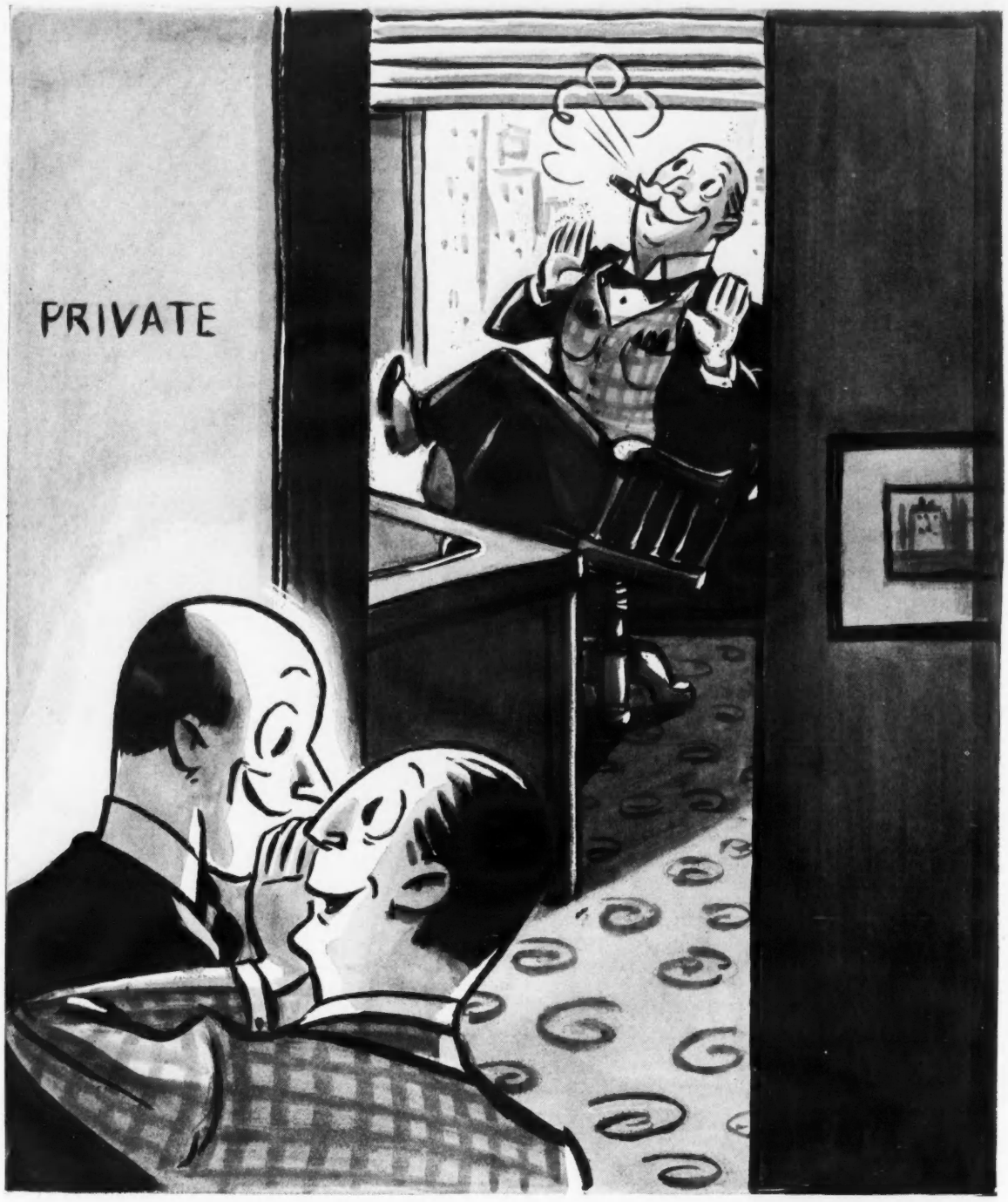
● EBG customers like the way EBG follows an order through...sees that it gets off promptly...comes through the quickest way...and arrives on the dot in perfect condition. It's not a knack; it's a habit formed by years of practice in following up customers' demands for fine service and expert technical assistance. Whatever your needs for Liquid Chlorine, put your confidence in EBG.

ELECTRO BLEACHING GAS COMPANY

MAIN OFFICE· 60 EAST 42nd STREET, NEW YORK, N. Y. • PLANT: NIAGARA FALLS, N. Y.

EBG Liquid Chlorine

FIRST IN THE COUNTRY



"The boss is in a swell humor. He just bet the P. A. ten bucks that Niagara Alkali was the first in the U.S.A. to produce . . .

Carbonate of Potash"

Niagara
ALKALI COMPANY
42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Co.
Pioneer Manufacturer of Liquid Chlorine

P.S. Niagara Caustic Soda and Caustic Potash put people in a good humor, too.

Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls. lb. .08 - —
51°, bbls. lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works. lb. 3.50 - —
bots., cns., 1-50 lbs. lb. 3.65 - 4.00

P

Papain, powd., cs. lb. 1.75 - 1.80
Paprika, Hungarian, extra fancy, bgs. lb. .21½- .22
medium, bgs. lb. .20 - .20½
Spanish, extra fancy, cs. lb. .30 - .30½
fair, bgs. lb. .23 Nom.
fancy, bgs. lb. .25 Nom.
medium, bgs. lb. .23½- .24
Para-aminoacetanilide, kgs. lb. .85 Nom.
Parachlorophenol, dms. lb. .45 - —
Paracymene, refd., dms. gal. .75 - 1.25
Paradichlorobenzene, dms., c.l. lb. .11 - .12
l.c.l. lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy. lb. .02 - —
bbls., c.l., N. Y. lb. .0190- —
124-126 A.m.p., bgs., c.l., Okla., refy. lb. .02 - —
bbls., c.l., N. Y. lb. .0190- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y. lb. .02¼-Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l. lb. .0430- —
125-127 A.m.p., bgs., c.l. lb. .0435- —
128-130 A.m.p., bgs., c.l. lb. .0445- —
130-132 A.m.p., bgs., c.l. lb. .0455- —
133-135 A.m.p., bgs., c.l. lb. .05 - —
135-137 A.m.p., bgs., c.l. lb. .05¼- —
138-140 A.m.p., bgs., c.l. lb. .06 - —
143-145 A.m.p., bgs., c.l. lb. .07 - —
refined paraffin prices in cases are ½c. lb. higher than bags price.
match, A.m.p. up to and incl. 110-112 bbls., c.l. lb. .02½- .02⅝
semirfd., solid, 122-124 A.m.p., bgs. lb. .03¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C. lb. .34 - —
100 to 900 lbs. shipments, same basis. lb. .35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., dlvd. lb. .16 - —
5 and 10 gal. dms., dlvd. lb. .17 - —
USP, cbys. lb. .37 - .45
Paranitroanilin, kgs., works. lb. .51 - —
Paranitrochlorobenzene, kgs. lb. .15 - —
Paranitrophenol, kgs. lb. .35 - —
Paranitrotoluene, kgs. lb. .35 - —
Paraphenylenediamine, bbls. lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls. lb. .70 - —
Paratoluidin, bbls. lb. .56 - —
Pareira brava root, bls. lb. .15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. all'd lb. .23 - .25
less car lot, same basis. lb. .24 - .26
Passion flower herb, bls. lb. .07 - .07½
Patchouli leaves, bls. lb. .18 - .20
Pellitory root, bls. lb. .18 - .20
Pennyroyal herb, bls. lb. .07 - .08
leaves, bls. lb. .14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3. gal. .11½- —
l.c.l., G.3. gal. .16 - —
tanks, G.3. gal. .08½- —
laboratory grade, dms., c.l., G.3. gal. .14 - —
l.c.l., G.3. gal. .25 - —
Pepper, black, Alleppy, bgs. lb. .09 - .09¼
Lampong, bgs. lb. .06¾- .06¼
Tellicherry, bgs. lb. .09 - .09¼
Red, birdseye, bgs. lb. .15 Nom.
Japanese, 1, bgs. lb. .20½- .21
Mombasa, bgs. lb. .21 Nom.
White, Java, Muntok, bgs. lb. .09 - .09¼
Saigon, bgs. lb. .08¾- .09
Peppermint leaves, dom., bls. lb. .30 - .31
import, bls. lb. .42 - .45
Peru, balsam, dms. lb. .77 - .78
Petrolatum, amber, bbls., c.l., lb. .02¾- —
l.c.l. lb. .03¾- —
extra, bbls. lb. .03 - —
l.c.l. lb. .04¼- —
cream (see white, cream)
green (see red)
red, veterinary, bbls., c.l. lb. .02¼- —
l.c.l. lb. .03¾- —
white, cream, bbls., c.l. lb. .04¼- —
l.c.l. lb. .06½- —
lily, bbls., c.l. lb. .05½- —
l.c.l. lb. .07½- —
snow., bbls., c.l. lb. .06½- —
l.c.l. lb. .08½- —
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights bbl. .74 - .95
Athens bbl. .84 - 1.66
Belridge bbl. .70 - 1.32
Buena Vista Hills bbl. .70 - 1.38
Canal-Greely bbl. .84 - 1.64
Coalinga bbl. .70 - .90
Coyote Hills (West) bbl. .78 - 1.32
Dominguez bbl. .79 - 1.00
East Coyote bbl. .76 - .96
Elk Hills bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.43
El Segundo bbl. .80 - 1.21
Huntington Beach bbl. .78 - 1.22
Inglewood bbl. .79 - 1.27
Kern Front bbl. .70 - —
Kern River bbl. .70 - —
Kettleman Hills bbl. 1.19 - 1.43
La Habra bbl. .76 - .96
Lakeview bbl. .70 - 1.38
Lost Hills bbl. .70 - 1.32
McKittrick bbl. .70 - —
Midway - Sunset (except Lakeview) bbl. .70 - 1.38
Montebello bbl. .77 - 1.43
Mt Poso bbl. .70 - —
Mountain View bbl. .70 - 1.20
Newhall bbl. .70 - —
Orcutt bbl. .70 - .83
Olinda Brea bbl. .76 - 1.27
Playa del Rey, f.o.b. pipe-line bbl. .80 - 1.10
Richfield bbl. .76 - 1.09
Rosecrans bbl. .84 - 1.66
Round Mt. bbl. .70 - —
Santa Fe Springs bbl. .78 - 1.42
Santa Paula bbl. .70 - 1.01
Seal Beach bbl. .79 - 1.19
Signal Hill bbl. .80 - 1.21
Torrence bbl. .80 - 1.05
Wheeler Ridge bbl. .70 - .83
Whittier bbl. .76 - .96
Wilmington bbl. .75 - 1.21
Canada:—
Oil Springs bbl. 2.17 - —
Petrolia bbl. 2.10 - —
Central West:—
Illinois bbl. 1.35 - —
Lima bbl. 1.25 - —
Midland (Mich.) bbl. 1.12 - —
Princeton bbl. 1.35 - —
East Texas bbl. 1.35 - —
Gulf Coast:—
Barber's Hill bbl. .95 - 1.41
Batson bbl. .95 - 1.41
Dayton bbl. .95 - 1.41
Esperson bbl. .95 - 1.41
Goose Creek bbl. .95 - 1.41
Hull bbl. .95 - 1.41
Humble bbl. .90 - 1.41
Liberty bbl. .90 - 1.41

Petroleum, crude, bulk, at wells:—
Gulf Coast:—
Markham bbl. .90 - 1.29
Orange bbl. .95 - 1.41
Pettus bbl. 1.37 - —
Pierce Junction bbl. .95 - 1.41
Refugio (incl. Greta, Tatt, Saxet) bbl. 1.01 - 1.17
Saratoga bbl. .95 - 1.41
Sour Lake bbl. .90 - 1.41
Spindle Top bbl. .95 - 1.41
Sugarland bbl. .95 - 1.41
West Columbia bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river bbl. 1.42 - —
Kentucky river bbl. 1.50 - —
Western Kentucky (Owensboro) bbl. 1.40 - —
Louisiana, Arkansas:—
Bull Bayou bbl. .90 - 1.22
Caddo bbl. .90 - 1.22
Cameron Meadows bbl. .90 - 1.30
Choctaw bbl. .90 - 1.30
Cotton Valley bbl. .90 - 1.22
Darrow bbl. .90 - 1.30
De Soto bbl. .90 - 1.22
El Dorado bbl. .90 - 1.22
Haynesville bbl. .90 - 1.22
Homer bbl. .90 - 1.22
Iowa bbl. .90 - 1.30
Lockport bbl. .90 - 1.30
Miller County bbl. .90 - 1.22
Pine Island bbl. .90 - 1.22
Rainbow bbl. .90 - 1.22
Rodessa bbl. .90 - 1.22
Smackover bbl. .90 - —
Tepetate bbl. 1.24 - —
Urania bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco bbl. 1.05 - —
Tax, 14.392c. per bbl.
Tuxpan bbl. No prices.
Tax, 23.45c. per bbl.
Midcontinent:—
North Texas bbl. .96 - 1.20
Oklahoma-Kansas bbl. .98 - 1.30
Altus, Tipton (Okla.), bbl. .96 - 1.20

Petroleum, crude, bulk, at wells,
Pennsylvania, Ohio West Virginia:—
Bradford-Allegany bbl. 2.05 - —
Corning bbl. 1.27 - —
Pennsylvania grade, in Buckeye lines. bbl. 1.55 - —
Eureka lines bbl. 1.65 - —
N. Y. Transit lines. bbl. 2.05 - —
S. W. Penn. lines. bbl. 1.71 - —
lower district in National Transit lines. bbl. 1.93 - 1.98
Rocky Mountain:—
Big Muddy bbl. 1.18 - 1.23
Canon City-Florence bbl. 1.10 - —
Cat Creek bbl. 1.40 - —
Dutton Creek bbl. 1.06 - 1.30
Elk Basin bbl. 1.30 - —
Fort Collins-Wellington bbl. 1.01 - 1.25
Frannie, light bbl. .82 - —
Grass Creek bbl. 1.30 - —
Greybull bbl. 1.30 - —
Iles bbl. 1.12 - 1.18
Lance Creek bbl. .97 - —
Lander bbl. .51¼- —
Midway bbl. 1.06 - 1.30
Rock Creek bbl. 1.20½- —
Salt Creek bbl. 1.06 - 1.30
Sunburst bbl. 1.20 - —
Torchlight bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County bbl. .96 - 1.23
Cleveland-Liberty bbl. 1.27 - —
Conroe bbl. 1.20 - 1.44
Darst Creek bbl. 1.09 - —
Hardin-Liberty bbl. 1.15 - —
Luling bbl. 1.00 - —
Lytton Springs bbl. 1.12 - —
Mirando (incl. Duval) bbl. .96 - 1.30
Panola County bbl. .93 - 1.25
Salt Flat bbl. 1.09 - —
Tomball bbl. 1.20 - 1.44
Van bbl. 1.10 - —

Osage—Pet., Lacquer Dil.

Petroleum, crude, bulk, at wells:—
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.06
Gray County bbl. .96 - 1.06
West Texas:—
Artesia, N. M. bbl. .90 - —
Crane bbl. .78 - 1.06
Crockett bbl. .78 - 1.06
Ector bbl. .78 - 1.06
Glasscock bbl. .78 - 1.06
Hogback bbl. 1.33 - —
Howard bbl. .78 - 1.06
Jackson, N. M. bbl. .90 - —
Lea, N. M. bbl. .78 - 1.06
Maljamar, N. M. bbl. .90 - —
Mitchell bbl. .78 - 1.06
Pecos bbl. .91 - —
Upton bbl. .78 - 1.06
Winkler bbl. .78 - 1.06
Ether, 30-60°, dms., c.l., G. 3, gal. .14 - —
l.c.l., G. 3 gal. .25 - —
tanks, G.3 gal. .13 - —
35-60°, dms., l.c.l., G.3 gal. .30 - —
40-75°, dms., c.l., G.3 gal. .14 - —
l.c.l., G.3 gal. .25 - —
tanks, G.3 gal. .13 - —
laboratory grade, dms., c.l., G.3. gal. .14 - —
c.l., G.3 gal. .25 - —
10-gal. lots, G.3 gal. .50 - —
Lacquer, diluent, at refinery:—
California 60, 100 i.b.p., 200 e.p., tanks, delvd. Los Angeles. gal. .11 - —
San Francisco. gal. .11½- —
f.o.b. Richmond. gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash. gal. .12 - —
East Coast, tanks. gal. .12 - .12½
Group 3, tanks. gal. .07⅞- —

5 Advantages of SKELLYSOLVE AS a Lacquer Diluent

by A. ERNEST MACGEE

Manager Skellysolve Division, Skelly Oil Company

IN working with our friends in the paint, lacquer and varnish industry to provide solvents that fit their needs exactly, we've found five big advantages in the Skellysolve line—all important to you.

The first advantage is *uniformity*. You can depend on Skellysolve being the same month after month. There is no need to change formulas with each shipment when you rely on Skellysolve, so you save trouble and money.

The second advantage is—*no greasy residues*. Drying is complete and rapid, with minimum gum formation. Advantage number three is—*close boiling ranges,* some as low as 15° F. from initial to dry flask end point. Skellysolve's close boiling ranges remain constant, in storage and in formulas, and tendency to fractionate is cut to the minimum. Advantage number four is—*low evaporation losses*. This saves you money, reduces fire hazard and tendency to blush.

And advantage number five is Skellysolve's *uninterrupted supply*. We have the raw materials. We're in the business to stay. You can count on getting Skellysolve for years to come, and we've seen how important that is when we've rushed to the rescue of people whose source of supply has failed them.

You see, Skelly pioneered in the development of dependable, uniform, special naphthas. And we're still pioneering in close cuts, constant uniformity, rigid quality-control. So, whatever type or price of solvent you need, I'm sure it'll pay you to give us a call.

Write or wire for information or prices without delay

SKELLYSOLVE

Skellysolve is shipped to you in Skelly's own cars used for no other purpose. This guarantees speed of delivery and prevents contamination or mixture with other materials.

SOLVENTS DIVISION
Skelly Oil Co., 121 W. Wacker Drive
CHICAGO

SKELLY

Petroleum—Quinine

Petroleum, Naphtha, cleaners, at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅝- —
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .172 - —
Decatur, inc. 4c. tax..gal. .191 - —
Des Moines, inc. 4c. tax.gal. .189 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax..gal. .157 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —
milk cans.....gal. .21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .16 - —
2, over 90% arom., same basis..gal. .18 - —
3, tanks, f.o.b. Bayway..gal. .18 - —
8, tanks, f.o.b. Paulsboro, N. J..gal. .15 - —
30, same basis.....gal. .16 - —
79, same basis.....gal. .14½- —
V. m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond, gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅝- —
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .162 - —
Decatur, inc. 4c. tax..gal. .191 - —
Des Moines, inc. 4c. tax.gal. .189 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .12½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .157 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09½- .10
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .06⅝- —
standard, 180 i.b.p., 288 e.p., tanks..gal. .06⅝- —
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .05⅞- —
tankwagon, Boston, ex tax, gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .156 - —
Decatur, inc. 4c. tax—gal. .181 - —
Des Moines, inc. 4c. tax.gal. .179 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax, gal. .193 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .174 - —
Newark, ex tax.....gal. .11½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .11½- —
Omaha .....gal. .131 - .141
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax..gal. .140 - —
Tulsa, ex tax.....gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin. tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash....gal. .15½- —
Petroleum thinner, at rfy., Calif., 44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- .10
New Jersey, tanks...gal. .09 - —
Group 3, tanks.....gal. .05⅝- —
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals.....gal. .13½- .15½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11⅛- .13⅛
Bridgeport, Conn. ....gal. .13 - —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .115 - .156
Chicago .....gal. .159 - —
Decatur, Ill. .....gal. .181 - —
Des Moines .....gal. .179 - —
Evansville, Ind.....gal. .137 - .147
Milwaukee .....gal. .198 - —
Minneapolis-St. Paul...gal. .19½- —
Newark .....gal. .09½- —
New York (200 gals.).gal. .11 - —
smaller lots .....gal. .11½- .12
Omaha .....gal. .131 - .141
Philadelphia .....gal. .115 - .155
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12½- .13½
Rochester .....gal. .12 - .16
St. Louis .....gal. .147 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del.....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .16½
under 1,000 lbs.....lb. .16½- .17½
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms. 2,000 lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .90
yellow, fib., dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.25 - 3.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.85 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .24 - .30
Oxychloride, cyls.....lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .10
Pilocarpine hydrochloride, bots., vls..oz. 2.40 - 2.50
Nitrate, bots., vls.....oz. 2.90 - 3.00
Pimento, bgs.....lb. .15 - .15½
Pinkroot, bls.....lb. .45 - .46
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Pitch, hardwood, 1-time, dm., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls.....bbl. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .13
Podophyllin, dms.....lb. 5.00 - 5.25
Poke root, bls.....lb. .07½- .08
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .35 - .36
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .12 - .12½
Polish, bgs.....lb. .12 - .12½
Potash acetate, tech., bbls., dlvd. lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
gran., bbls., 250 lbs.....lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
Bichromate, spot, c.l., works, lb. .08⅞- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .15½- .18
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03½- —
tanks, dlvd.....lb. .0287½- —
USP, gran., bbls., 325 lbs. lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03½- .03½
tanks .....lb. .02⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, csks.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .19 - .28
Citrate, USP, gran., bbls., 250 lbs..lb. .34 - —
kgs., 100 lbs.....lb. .35 - —
cns., 50 lbs.....lb. .36 - —
cns., 25 lbs.....lb. .38 - .39
Cyanide, cns., dms.....lb. .55 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs..lb. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cms., 110 lbs..lb. .30 - —
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bbls., bots., 5 lbs....lb. 3.17 - —
cns., 25 lbs.....lb. 3.05 - —
Iodide, bbls., 250 lbs.....lb. .93 - —
bots., or cns.....lb. 1.02 - 1.28
dms. .....lb. .95 - .96
Kainit, 20% K_2O, bulk, c.if., ports, ton..12.25 - —
Potash, manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.l.f. ports, unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .13 - .15
Muriate, dom., all strengths, min. 50% K_2O bulk.. unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports..unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs.. Feb.-May shipt., c.l.f. ports..ton. 57.50 - —
Perchlorate, kgs., works.....lb. .09½- .11¼
Permanganate, tech., dms....lb. .18½- .19
Prussiate, red, bbls.....lb. .32 - .34
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports..ton. 38.00 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. 25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .12 - .13
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .21 - .22
Propane, tanks, G.3.....gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works..lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y..ton. 32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton, 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton. 40.70 - —
single bgs., ex whse. ton. 45.70 - —
Pumpkin seed, bgs.....lb. .10 - .12
Purple lake (see Red).
Putty, com'l, dms., 1,000 lbs., 100 lbs. 2.90 - —
500-999 lbs.....100 lbs. 3.10 - —
100-499 lbs.....100 lbs. 3.25 - —
linseed oil, raw, dms., 1,000 lbs..100 lbs. 4.65 - —
500-999 lbs.....100 lbs. 4.85 - —
100-499 lbs.....100 lbs. 5.00 - —
refined dms., 1,000 lbs.100 lbs. 5.15 - —
500-999 lbs.....100 lbs. 5.35 - —
100-499 lbs.....100 lbs. 5.50 - —
standard, dms., 1,000 lbs., 100 lbs. 3.65 - —
500-999 lbs. .....100 lbs. 3.85 - —
100-499 lbs. .....100 lbs. 4.00 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand..gal. 6.40 - 6.75
basis (30 to 1) 3.6% pyrethrins 55 gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal. 9.60 - 9.95
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .23¾- —
fine powd. Japan, bbls., ton lots, frt. alld..lb. .25¼- —
Pyridin, denaturing, dms.....gal. 1.55 - —
refd., 2°, dms.....lb. .45 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib, dms., tins..lb. 4.60 - —
Pyroxylin, scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works..lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03⅝- —
tanks, works.....lb. .02⅞- —
solid, 63%, bgs,, c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08¼
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y...flasks. 72.50 -73.00
Quince seed, bgs.....lb. .85 - 1.50
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .74 - —
Acetate, cns.....oz. .98 - —
Arsenate, cns.....oz. .98 - —
Arsenite, cns.....oz. 1.00 - —
Bisulphate, cns.....oz. .53 - —
Citrate, cns.....oz. .71 - —
Dihydrobromide, bots.....oz. .74 - —
Dihydrochloride, bots.....oz. .74 - —
Ethylcarbonate, cns.....oz. .74 - —
Ferrocyanide, cns.....oz. 1.00 - —
Formate, cns. .....oz. .93 - —
Glycerophosphate, cns.....oz. 1.13 - —
Hydrochloride, cns.....oz. .66½- —
Hydrochlorosulphate, cns....oz. .74 - —
Hydroiodide, cns.....oz. .98 - —
Hypophosphite, cns..... ....oz. .98 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .72 - —
Sulphate, USP X, cns.....oz. .53 - —
USP XI, cns.....oz. .59½- —

DEPENDABLE

.....AS "OLD FAITHFUL"

That's exactly what you can expect when you deal with Deep Rock... DEFINITE ASSURANCE OF UNIFORMITY AND PROMPT DELIVERIES OF SUPERIOR QUALITY PETROLEUM NAPHTHAS AND SPIRITS... AT COMPETITIVE PRICES! Deep Rock products are scientifically refined under the most exacting laboratory control. That positive assurance to you, at no extra cost for the products you use, is surely worthy of an inquiry, at least.

Write today for samples and prices.

MINERAL SEAL OIL
LACQUER DILUENT RUBBER SOLVENT
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NAPOLEUM SPIRITS SPECIAL KEROSENES
INDUSTRIAL LUBRICANTS

Makers of the Famous Deep Rock Prize Motor Oils · Goes Farther · Lasts Longer!

DEEP ROCK OIL CORPORATION

GENERAL SALES OFFICE: 155 NORTH CLARK STREET, CHICAGO

Decatur Des Moines Milwaukee Minneapolis Oklahoma City Omaha St. Louis Tulsa

Refinery: Cushing, Oklahoma

Quinine, sulphocarbolate, cns.oz. .96 - —
Tannate, cns.oz. .57 - —
Tartrate, cns.oz. .96 - —
Valerate, cns.oz. .92 - —
Quinine-urea hydrochloride cns.oz. .74 - —

R

R salt, bbls.lb. .52 - .55
Rapeseed, Belgian, bgs.lb. .06½- .07
Dutch, bgs.lb. .06⅝- .07
Japanese, bgs.lb. .06 - .06¼
Raspberries, dried, bbls.lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Amaranth (see Red, maroon, lake)

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works.lb. 2.75 - —
light, works.lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.60 - —
Carmine, 40 1-lb. cns., 500 lbs. lb. 4.15 - —
dms., 500 lb. lots.lb. 4.00 - —
100 lb. lots.lb. 4.10 - —
Crocus martis (see Red. purple oxide).
Eosin toner, blue shade, bbls., lb. 1.55 - —
yellow shade, bbls.lb. 1.40 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis..lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .75 - —
open order.lb. .80 - —
Rose lake, bbls.lb. .20 - .30
Pink, bbls.lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls..lb. 1.17 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see C).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works.lb. .08½- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y. lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order.lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- .04¾
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic rhodamine Y, kgs..lb. 4.15 - —
Purple lake, kegs.lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., dlvd...lb. .03⅜ Nom.
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.lb. .0220- —
10%, bbls., works.lb. .0245- —
15%, bbls., works.lb. .0255- —
20%, bbls., works.lb. .02¾- —
25%, bbls., works.lb. .03 - —
30%, bbls., works.lb. .03¼- —
35%, bbls., works.lb. .0360- —
40%, bbls., works.lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.45 - —
smaller lots.lb. 1.46 - 1.54

Red dyes are listed under Dyes.

Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.42 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.lb. .09 - .10
Rhodinal, bots.lb. 5.75 -15.00
Rhubarb root, cs.lb. .45 - .48
powd., bbls., kgs.lb. .50 - .53
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .16 - —
smaller lots.lb. .16½- —
powd., bbls., 5,000 lbs., 1 shipm't..lb. .15 - —
smaller lots.lb. .15½- —
Rose flowers, pale, bls.lb. .34 - .35
Red, bls.lb. 2.25 - 2.30
Rosemary flowers, bls.lb. .35 - .40
Leaves, bls.lb. .05 - .06
Rosin, gum, B, bbls., ex dock, 280 lbs. 5.05 - —
D, bbls.280 lbs. 5.25 - —
E, bbls.280 lbs. 5.35 - —
F, bbls.280 lbs. 6.15 - —
G, bbls.280 lbs. 6.35 - —
H, bbls.280 lbs. 6.35 - —
I, bbls.280 lbs. 6.35 - —
K, bbls.280 lbs. 6.35 - —
M, bbls.280 lbs. 6.40 - —
N, bbls.280 lbs. 6.75 - —
W. G., bbls.280 lbs. 7.35 - —
W. W., bbls.280 lbs. 7.75 - —
X, bbls.280 lbs. 7.75 - —
wood, New York, F. F. bbls., 280 lbs. 5.55 - 6.50
K, bbls.280 lbs. 6.15 - 7.10
M, bbls.280 lbs. 7.10 - 8.05
N, bbls.280 lbs. 7.60 - 8.55
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.ton.60.00 - —
Import., lump., bbls.lb. .12 - —
powd., bbls.lb. .08½- .10
Rue, bls.lb. .21 - .23

S

Sabadilla seed, powd., bbls....lb. .19 - .20
Saccharin, dms., 100 lbs.lb. 1.70 - —
cns., 25 lbs.lb. 1.73 - 2.05
Safflower, bls.lb. .25 - .26
Saffron, Mexican, bls.lb. .38 - .40
Spanish, tins.lb.23.00 -24.00
Safrol, cns.lb. .52 - .53
dms.lb. .50 - .51
Sage, Dalmatian, stemless....lb. .06¼- .06¾
garden, bls.lb. .06½- .07
Sago flour, bgs.lb. .02¾- .03½
Salicin, bots., 5 lbs.lb. 5.00 - —
cns., 25 lbs.lb. 4.75 - —
Salol, gran., bbls., 200 lbs.lb. .90 - —
bxs., 25 lbs.lb. .93 - —
kgs., 100 lbs.lb. .90 - —
powd., fib. dms., 25 lbs.lb. 1.03 - —
kgs., 100 lbs.lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y.ton.12.80 -13.20
l.c.l., bgs., dlvd., N. Y.ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.15.30 -15.70
l.c.l., dlvd., N. Y.....ton.16.50 -17.00
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works.ton.15.00 - —
Import, bulk, c.i.f.ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons.100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons.100 lbs. 6.50 - —
1-9 tons.100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.lb.23.00 -24.00
Saponin, crude, cns.lb. 1.45 - —
purified, bots., 5 lbs.lb. 1.65 - —
cns., 25 lbs.lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .42 - .43
Mexican, bls.lb. .16 - .18
Sassafras, bark, ord., bls.lb. .13 - .15
select, bls.lb. .20 - .21
Savory, bbls.lb. .07 - .07½
Saw palmetto berries, bgs.lb. .07½- .08
Scammony root, bgs.lb. .06 - .07
Schaeffer's salt, bgs.lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .12⅝- —
smaller lots.lb. .13½- —
kegs, 5,000 lbs., 1 shipm't.lb. .13½- —
smaller lots.lb. .13⅝- —
Senega root, bls.lb. .70 - .75
Senna leaves, Alexandria, bls.lb. .10 - .14
Tinnevelly, No. 1, bls.lb. .09 - .10
2 bls.lb. .07 - .08
3, bls.lb. .05 - .06
powd., bbls., bxs.lb. .09 - .10
siftings, bls.lb. .10 - .11
Pods, bls.lb. .05½- .06
Serpentaria root, bls.lb. 1.05 - 1.10
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .16½- .17
dlvd. Boston.lb. .17 - .17½
Chicago.lb. .17½- .18
Pacific Coast.lb. .19½- .20
refd., bbls., f.o.b. N. Y.....lb. .23 - .24
dlvd. Boston.lb. .23½- .24½
Chicago.lb. .24 - .25
Pacific Coast.lb. .26 - .27
Garnet, bgs.lb. .13½- .14
Orange, D.C., VSO., Diamond, cases..lb. .20 - .21
Shellac, orange, superfine, bgs., f.o.b. Bost., N. Y..lb. .11½- .12
dlvd. Chicago.lb. .12 - .12½
Pacific Coast.lb. .15 - .16
T. N., bgs., f.o.b. Bost., N. Y., lb. .11 - .11½
dlvd. Chicago.lb. .11½- .12
Pacific Coast.lb. .14 - .14½
Shellac varnish, orange, 5-lb. cut, bbls..gal. .85 - .95
4½-lb. cut, bbls.gal. .80 - .90
4-lb. cut, bbls.gal. .75 - .85
white, 5-lb. cut, bbls.gal. 1.00 - 1.10
4½-lb. cut, bbls.gal. .95 - 1.05
4-lb. cut, bbls.gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.18.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 3.25 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.ton.16.00 - —
Silver bullion.oz. .44¾- —
Govt. purchase.oz. .6464- —
Nitrate, vis.oz. .32⅝- .34⅛
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simaruba bark, bls.lb. .27 - .28
Skatol, bots.lb.75.00 -80.00
Skullcap, Eastern, bls.lb. .30 - .35
Western, bls.lb. .18 - .20
Skunk cabbage root, bls.lb. .28 - .29
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.ton.10.00 -15.00
Sloe berries, bgs.lb. .09 - .10
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, cts.lb. .07 - .08½
Snakeroot, Canad., bls.lb. .24 - .26
Soapbark, bls.lb. .07 - .08
crushed, bls., bbls.lb. .11 - .12
cut, bls., bbls.lb. .09 - .10
powd., bbls.lb. .12 - .13
Soda, abietate, dms.lb. .13 - —
Acetate, anhyd., dms., dlvd..lb. .08½- —
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04½- —
l.c.l., dlvd.lb. .05 - —
Alginate, dms.lb. .69 - —
Antimoniate, bbls.lb. .12⅞- .13¼
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09⅛
l.c.l., dms., works.lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.lb. .09⅝- .13½
liquid, dms., works.gal. .30 - .33
powd., bbls.lb. .13 - .14

Soda arsenite, dry, gray, prices are ⅝c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.100 lbs. 2.13 - —
2 .100 lbs. 2.28 - —
3 .100 lbs. 2.33 - —
4 .100 lbs. 2.93 - —
bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., Zone 1.100 lbs. 2.35 - —
2 .100 lbs. 2.50 - —
3 .100 lbs. 2.75 - —
4 .100 lbs. 3.15 - —
bulk, c.l., works.100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1.100 lbs. 2.08 - —
2 .100 lbs. 2.23 - —
3 .100 lbs. 2.48 - —
4 .100 lbs. 2.88 - —
bbls., c.l.100 lbs. 1.45 - —
2 .100 lbs. 2.60 - —
3 .100 lbs. 2.85 - —
4 .100 lbs. 3.25 - —
l.c.l., Zone 1.100 lbs. 2.45 - —
bulk, c.l.100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.100 lbs. 2.08 - —
2 .100 lbs. 2.23 - —
3 .100 lbs. 2.48 - —
4 .100 lbs. 2.88 - —
bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., Zone 1.100 lbs. 2.35 - —
2 .100 lbs. 2.50 - —
3 .100 lbs. 2.75 - —
4 .100 lbs. 3.15 - —
bulk, c.l.100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.lb. .40 - —
900 lbs. or less.lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.lb. .47 - —
900 lbs. or less.lb. .50 - —
dms, 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.lb. .48 - .49
900 lbs. or less.lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.100 lbs. 2.10 - —
l.c.l., dlvd. N. Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.lb. .12½- .15
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works.. 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.lb. .32 - —
Cacodylate, bots., 5 lbs.lb. 5.31 - —
jars, 25 lbs.lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda, sal)
Caustic, flake, 76% l. grd., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.30
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70% buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¾- —
l.c.l., works.lb. .06¾- —
powd., bgs., c.l., works..lb. .06¾- —
l.c.l., works.lb. .07 - .06⅝
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .20 - —
cns., 50 lbs.lb. .22 - —
25 lbs.lb. .24 - .25
kgs., 100 lbs.lb. .21 - —

Quinine—Soda Silicate

Soda, citrate, USP X, gran., bbls., 250 lbs..lb. .26½- —
cns., 50 lbs.lb. .28½- —
25 lbs.lb. .30¼- .31½
kgs., 100 lbs.lb. .27 - —
powd., bbls., 250 lbs.lb. .27 - —
cns., 50 lbs.lb. .29 - —
25 lbs.lb. .31 - .32
kgs., 100 lbs.lb. .28 - —
Cyanide, 96-98%, dom., dms..lb. .16½- .17¼
Import., cs.lb. .15 - .16
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.lb. .08½- —
1-4, same basis.lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .08- —
5-9 same basis.lb. .08½- —
1-4, same basis.lb. .08¾- —

Soda fluoride prices at Los Angeles are f.a.s. Phila.

Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.lb. 1.15 - —
cns., 25 lbs.lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.05 - —
smaller lots.lb. 1.20 - —
cns., 25 lbs.lb. 1.45 - —
Hydrosulphite, bbls.lb. .16 - .17
Hydroxide, USP., sticks, cns., 160 lbs..lb. .23 - .24
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lb. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.100 lbs. 2.80 - —
dms., works.100 lbs. 3.10 - —
5,000 lbs., and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.100 lbs. 2.95 - 3.20
dms., wks.100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.100 lbs. 3.05 - 3.30
dms., wks.100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks, 100 lbs. 3.10 - 3.35
bbls., wks.100 lbs. 3.30 - 3.55
dms., wks.100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.100 lbs. 3.90 - 4.15
dms., wks.100 lbs. 4.20 - 4.45
Iodate, jars.lb. 5.02 - 5.07
Iodide, jars.lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.lb. 3.30 - —
jars, 25 lbs.lb. 3.20 - —
Metanilate, kgs.lb. .41 Nom.
Metasilicate, anhy., chip, bgs., dms., c.l., works..... 100 lbs. 3.00 - —
l.c.l., works.....100 lbs. 3.25 - —
ground, dms., c.l., works.. 100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., works.100 lbs. 2.20 - —
Molybdate, kgs., wks.lb. .60 - —
less kgs.lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.lb. .52 - .54
Nitrate, crude, c.l., 100-lb. bgs., Mar.-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis... ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized.lb. .06¾- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l.lb. .08¼- .11⅛

Soda nitrite l.c.l. price range represents delivery at various points.

Oxalate, neut., bbls.lb. .09 - —
kgs.lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l. works.lb. .15¼- —
Phosphate, dibasic, tech., bgs., c.l., works.100 lbs. 1.85 - —
c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l.100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —
Picramate, kgs.lb. .65 - —
Prussiate, yellow, bbls., works, lb. .09½- .10
Pyrophosphate, anhyd., c.l. bgs. 100 lbs. 8.00 - —
bbls.100 lbs. 8.20 - —
l.c.l., bgs.100 lbs. 8.80 - 9.05
bbls.100 lbs. 9.00 - 9.25
crystals, bgs.100 lbs. 7.80 - —
bbls.100 lbs. 8.00 - —
l.c.l., bgs.100 lbs. 8.30 - 8.55
bbls.100 lbs. 8.50 - 8.75

Soda pyrophosphate anhydrous and crystal prices are delvd.—Me., N. H., Vt., Mass., Conn., N. J., N. Y., R. I., Del., Md., D. of C., and Pa., east of Altoona. Other territory, f.o.b. works, for equalized with producing points.

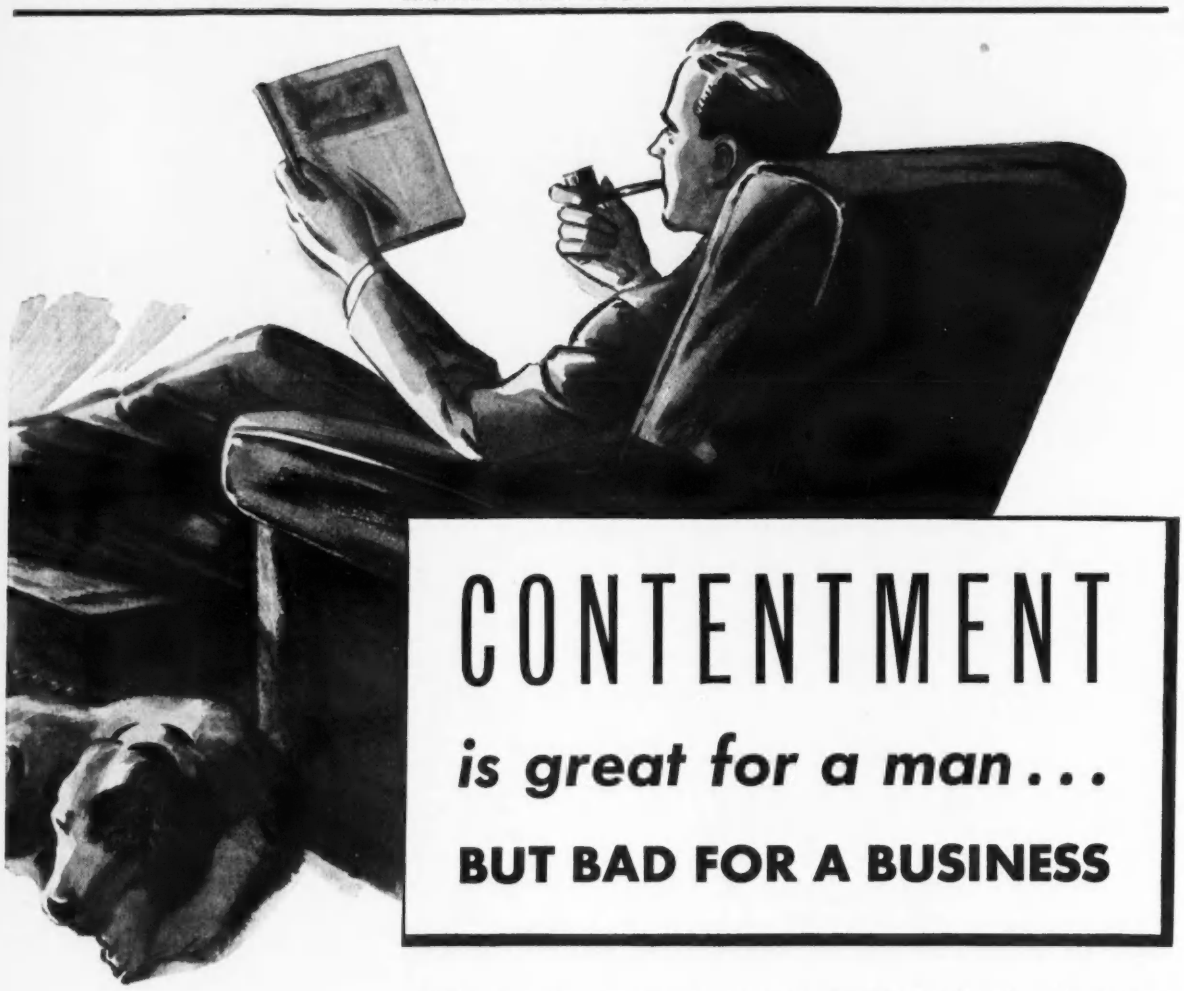
Ricinoleate, tech., bbls.lb. .12 - —
Sal, bgs., dlvd., N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate bxs.lb. .52 - —
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —
20 dms. and up, dlvd. N.Y.C. 100 lbs. 3.65 - —
5-19 dms.100 lbs. 4.10 - —
1-4 dms.100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.. 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works.. 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —

Soda Silicofluoride—Tin

Soda, silicofluoride, dom., bbls., lb. .05¾- .06
import., bbls.lb. .05¼- .05½
Stannate, dms.lb. .28½- .31½
Stearate, lump, powd., bbls., works..lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works..... 100 lbs. 1.70 - 1.90
less than 5 tons, works... 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd.. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works.. 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 2.00 - 2.10
tech., kgs.....lb. 1.30 - 1.35
Solvent naphtha, high-flash, dms., works, frt. equald..gal. .36 - —
tanks, same basis.....gal. .31 - —
water-white, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works.gal. .30 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .19- —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .19 - .20
Spikenard root, bls.....lb. .14 - .6
Spruce extract, bbls., works...lb. .01⅝- —
tanks, works.....lb. .01¼- —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01⅞- —
tanks, works.....lb. .01⅝- —
Squawvine leaves, bls.....lb. .16 - .17
Squill red, bls.....lb. .14 - .15
White, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs..100 lbs. 2.88 - 3.08
powd., bgs.....100 lbs. 2.98 - 3.18
Potato, dom., bgs.....lb. .03½- .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .07¼ Nom.
Wheat, thick boil, bbls.....lb. .06¾ Nom.
Staveacre seed, bgs.....lb. .17 - .18
Stearin, oleo, bbls.....lb. .07¼- .07½
Stillingia root, bls..... .....lb. .09 - .10
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .48 - .49
Stramonium leaves, bls.....lb. .10½- .12
seed, bgs.....lb. .09 - .10
Strontium bromide, fib, dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
Chloride, bbls.....lb. .13½- —
Iodide, jars, 25 lbs.....lb. 2.70 - —
bots., 5 lbs.....lb. 2.75 - —
Nitrate, dom., bbls., c.l., works..lb. .06¼- —
25 bbls. and over.....lb. .06⅜- —
1-4 bbls. and over.....lb. .09¼- —
import, bbls.....lb. .08¼- .09¼
Strophanthus seed, Kombe, bgs.lb. 1.20 - 1.25
Strychnine, cryst., cns., 100-oz. lots..oz. .39 - —
powd., cns., 100-oz. lots...oz. .29 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .57 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .57 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .57 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .68 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .50 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .35 - —
powd., cns., 100-oz. lots. oz. .25 - —
Styralyl acetate, bots.....lb. 6.75 - 7.00
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.10
Milk., bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 2.20 - —
fib., dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton.18.00 - —
c.l., spot, nearby, long ton.21.00 - —
Sulphur, crude, bulk, ex vessel, Balto., N. Y., Phila., Southern ports..long tons.22.00 -25.00
Boat., Portland..long ton.22.50 -25.50
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works...100 lbs. 3.25 - 3.75
bbls., wks.....100 lbs. 3.70 - 4.10
Sulphur, refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works...100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works...100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.60 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bgs, c.l., works.100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..... 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars.....lb. 3.80 - 3.85
Sumac, grd., Sicilian, bls....ton.66.00 - —
leaf, bales.....ton.70.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .06½- .08½
Sunflower seed, Calif., large, bgs., lb. .06 - .06¼
medium, bgs. .....lb. .05 - .05⅝
poultry, bgs.....lb. .04¼- .04¾
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .85 Nom.

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99¼%, 325 mesh, bgs., c.l., mills..ton.15.25- —
l.c.l., mills.....ton.17.25 - —
99.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.00 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .06½ Nom.
extra, loose, works.....lb. .05½- —
special, loose, works.....lb. .05 - —
sulphonated 35% (24% fat), dms., c.l..lb. .05 - .05¼
l.c.l .....lb. .06 - .06¼
50% (43% fat) dms., c.l..lb. .07 - .07¼
l.c.l. .....lb. .08 - .08¼
50% (48% fat), dms., c.l..lb. .07¼- .08
l.c.l. .....lb. .08½- .09
Tamarinds, W. I., bbls.....lb. .06 - .06¼
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 2.90 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk.. unit-ton. 2.80 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.55 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.00 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports ship. unit-ton. 3.15 & .10
Tansy leaves, bls.....lb. .18 - .19
Tapioca, flour, bgs.....lb. .02 - .05½
Tar acid oil, 15%, dms., c.l., works..gal. .22¼- —
l.c.l., same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26¼- —
l.c.l., same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd., ports.....gal. .25 - —
l.c.l. .....gal. .28 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .09½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 2.10 - 2.40
Sodiosalicylate, cns.....lb. 1.75 - 1.85
5-lb. bots. .....lb. 2.01 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .17 - .17½
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - —
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Tin crystals, bbls., kgs.....lb. .33½- .34
Metal, Straits.....lb. .41⅜- —
Oxide, bbls.....lb. .47 - .49
Tetrachloride, anhyd., bbls..lb. .21¼- —



CONTENTMENT

is great for a man . . .

BUT BAD FOR A BUSINESS

It is an old saying that businesses do not stand still — they either go forward or slip back. We believe that a business too well satisfied with itself is one that has started to stagnate.

That is why we are pleased rather than alarmed that Pennsylvania Salt Manufacturing Company is never self-satisfied. We are not today wholly contented with the quality and purity of any one of the many chemical products we manufacture. Nor were we contented a month ago—or a year ago—nor shall we be a year hence.

Basically, that is why the chemicals we supply to you now are better chemicals than those we produced at any time in the past — purer, more uniform, more highly dependable, and more perfectly adapted for the industrial processes in which they are used.

The services of our technical staff are always available to help with your difficult problems.

Some Leading Products of Pennsylvania Salt Manufacturing Company

- KRYOLITH (Natural Greenland Cryolite)
- CHLORINE
- SODIUM ORTHOSILICATE
- CARBON TETRACHLORIDE
- CARBON BISULPHIDE
- CAUSTIC SODA

PENNSYLVANIA SALT MANUFACTURING COMPANY · Est. 1850
Widener Bldg., Philadelphia, Pa.
New York · Chicago · St. Louis · Pittsburgh · Tacoma · Wyandotte

PENNSYLVANIA SALT Chemicals

Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac. cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E, dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
phthalate-treated, bgs., c.l., (20 tons) E. frt. alld..lb. .24 - —
Pac. cst., f.o.b. terminal..lb. .24 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24½- —
Pac. cst., ex whse..lb. .24½- —
50-999 lbs., E, dlvd...lb. .24¾- —
Pac. cst., ex whse..lb. .24¾- —
under 50 lbs.....lb. .27 - —
bbls., c.l. (20 tons) E. frt. alld..lb. .24¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24¾- —
50-999 lbs., E. dlvd...lb. .25 - —
pigment, barium, calcium, or magnesium base, bgs., c.l., E. frt. alld....lb. .05¾- —
Pac. cst., f.o.b. terminal, lb. .05¾- —
l.c.l., E. dlvd.....lb. .06¼- —
Pac. cst., ex whse..lb. .06¼- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E., frt. alld...lb. .06¼- —
l.c.l., E. dlvd.....lb. .06¾- —
Tolidin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .45 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dwks., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .26 - .27
root, bls.....lb. .30 - .31
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms. .....lb. .095 - —
Zone B, c.l.....lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., divd..lb. .42 - .53
dms., c.l., divd.....lb. .36 - —
500 lbs., divd.....lb. .39 - —
tech., l, dms., c.l.....lb. .24½- —
500 lbs., dms.....lb. .25 - —
less than 500 lbs., dms.lb. .28 - .39
2, dms., c.l.....lb. .23½- —
500 lbs., dms.....lb. .24 - —
less than 500 lbs.....lb. .27 - .33
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms.....lb. .34 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.80 - 3.10
Oxide, CP, kgs.....lb. 2.90 - 3.00
tech., kgs. .....lb. 2.10 - 2.20
Turmeric root, Alleppey, bgs..lb. .05¾- .06¼
Madras, bgs.....lb. .06½- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .31¾- —
l.c.l., 10, ex dock.....gal. .33¾- —
5, ex dock.....gal. .35¾- —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports...gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd. E. cities..gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .28 - —
l.c.l., dlvd.....gal. .31 - —
tanks, dlvd.....gal. .23 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va...ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. 1.04 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .12 - .13
Valonia, beards, bgs., shipt..ton.50.00 - —
Cups, bgs., shipt.....ton.35.50 -37.50
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 3.35 - 3.75
Mexican, tins.....lb. 4.25 - 4.50
cut, tins.....lb. 3.35 - 3.75
South American, tins.....lb. 3.60 - 3.75
Vanillin, ex eugenol, 25-lb. tins, lb. 3.10 - —
5-lb. tins.....lb. 3.20 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs. per lb. .42 - .44
Verdigris, bbls., kgs.....lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.)

W

Wahoo root bark, bls.....lb. .50 - .55
Tree bark, bls.....lb. .22 - .23
Wattle bark, bgs., shipt.....ton.39.75 -41.75
Extract, bbls.....lb. .04¾- —
Wax, bayberry, import, bgs...lb. .16¾- .17
Bees, white, bleach, slabs, cs., 500 lbs. .35 - .39
yellow, crude, Africa, bgs., lots of 10..lb. .24 - .25
1 bg.....lb. .24½- .25½
Wax, bees, yellow, crude, Brazil, Chile, bgs., 5-10 tons, lb. .25½- .26
1 ton.....lb. .26 - .26½
500 lbs.....lb. .26½- .27
100 lbs.....lb. .27 - .27½
refd., slabs, cs., lbs...lb. .32 - .35
Candelilla, bgs., 1 ton.....lb. .14½- .15
jobbing lots .....lb. .15 - .15½
Carnauba, No. 3, bgs., chalky, 1 ton..lb. .32½- .33
5 bgs .....lb. .33 - .33½
1 bg .....lb. .33½- .34
N. C. 2, bgs.....lb. .35½- .36
N. C. 3, bgs., 1 ton.....lb. .32½- .33
5 bgs. .....lb. .33 - .33½
1 bg .....lb. .33½- .34
refined, bgs. .....lb. .35 - .35½
yellow, No. 1, bgs., 1 ton..lb. .38 - .38½
5 bgs. .....lb. .38½- .39
1 bg. .....lb. .39 - .39½
No. 2, bgs.....lb. .37 - .37½
Ceresin, dom., 138°140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots .....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots .....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots .....lb. .11½- —
Japan, cs.. .....lb. .10 - .10¼
Montan, bgs., c.l.....lb. .11 - —
5 tons .....lb. .11¼- .11½
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. 62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs. .....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.51 - —
dms., 50 lbs., or more...lb. 1.38 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton.. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
99% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06 - .07
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF. bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20 00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock...ton.27.00 - —
120 mesh, bgs., ex dock...ton.33.00 - —
Wormseed, American, bgs....lb. .10 - .11
Levant, bgs..... .....lb. 3.90 - 4.00
Wormwood, bls.....lb. .08 - .09

X

Xylol (xylene), coml., dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
W. of Omaha, works...gal. .30 - —
nitration tanks, E. of Omaha frt. alld..gal. .41 - —
W. of Omaha, works....gal. .41 - —
5°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt., alld., gal. .36 - —
W. of Omaha, works....gal. .36 - —
10°, dms., works.....lb. .38 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
Yellow, cadmium, lithopone, all shades, kgs., ton lots, same basis.....lb. .50 - —
smaller lots, same basis. lb. .55 - —
sulphide, orange, bbls., works, lb. 1.50 - 1.60
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .0175- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01¼- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import, lb. .02475- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto., Boston, N. Orleans...lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03¼- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis. lb. .03¾- —
Mnneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle...lb. .03¾- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock. lb. .02¾- —
from whse.....lb. .02½- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., works .....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .08½- .10
Yohimbine hydrochloride, vis..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., dlvd., lb. .21 - —
USP., bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers. E. of Rockies..lb. .12½- —
c.l., bgs., cs.....lb. .13 - —
Arsenite, bgs., cs., c.l., dealers. E. of Rockies..lb. .12½- —
W. of Rockies, bgs....lb. .12½- —
l.c.l., bgs., cs.....lb. .13 - —
W. of Rockies, bgs....lb. .12½- —
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP., 200 lb. dms.....lb. .25 - —
25 lb. jars.....lb. .31 - —
solut., dms., wks.....lb. .04½- —
tanks .....lb. .0226- —
Cyanide, kgs., works.....lb. .36 - .38
Dust., bbls., c.l., dlvd.....lb. .06¼- —
l.c.l., bbls., dlvd.....lb. .06¾- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead - free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst., lb. .06¼- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse..Pac.cst.lb. .06¾- —
35%, bgs., c.l., dlvd.lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
bbls., c.l., dlvd....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
50%, bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
bbls., c.l., dlvd....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
French process, coml., lead-free, bgs., c.l., dlvd., lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst.lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb, .06¾- .08
ex whse., Pac cst.lb. .06¾- .08
Zinc, oxide, French process, green seal, bgs.. c.l., dlvd., lb. .08 - —
l.c.l., dlvd., except Pac cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l.,dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd., lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst.lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst.lb. .08 - —
white seal, bgs., c.l., dlvd., lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst.lb. .08¾- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst.lb. .09 - —
import., gold seal, cks, ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
Oxide, U.S.P., bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .23 - .25
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
U.S.P., bbls. .....lb. .21 - .28
Sulphate, cryst., bgs., c.l.100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 4.05 - —
flake, bgs., c.l.....100 lbs. 3.60 - —
l.c.l. .....100 lbs. 4.35 - —
bbls., c.l.....100 lbs. 3.75 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.00 - —
l.c.l. .....100 lbs. 5.75 - —
bbls., c.l.....100 lbs. 5.15 - —
l.c.l. .....100 lbs. 5.90 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
bbls., c.l. (20 tons), dlvd..lb. .09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05¼- —
ex whse., Pac. cst..lb. .05¼- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works..ton.75.00 -100.00
kgs., small lots, works...lb. .04¼- .04½
white, 98%, rgd., kgs., works, lb. 1.40 - 1.52

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the March 7 issue; the next printing will be in the April 4 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 35.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district office or cooperative office of the bureau and not to this publication. When writing give the number of the item:—

Barytes:—Agency; Buenos Aires, Argentina (5672).

Brushes, tooth, hair and nail:—Purchase and agency; Quito, Ecuador (5709).

Chemicals, industrial, for rubber and paint manufacturers:—Agency; Toronto, Canada (5671).

Hydrogen peroxide, medical:—Exclusive agency; Caracas, Venezuela (5667).

Iron oxide, red:—Agency; Buenos Aires, Argentina (5672).

Lacquers and varnishes:—Purchase and agency; Quito, Ecuador (5709).

Lithopone:—Agency; Buenos Aires, Argentina (5672).

Lubricating oils:—Agency; Prague, Czechoslovakia (5704).

Petroleum, crude:—Agency; Prague, Czechoslovakia (5704).

Pharmaceuticals: — Agency; Chihuahua, Mexico (5670).

Pharmaceuticals: — Zagreb, Yugoslavia (5705).

Red lead:—Agency; Buenos Aires, Argentina (5672).

Resins, synthetic:—Purchase; Stockholm, Sweden (5668).

Tar residues:—Agency; Buenos Aires, Argentina (5672).

Turpentine:—Agency; Buenos Aires, Argentina (5672).

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Vol. 133 March 21, 1938 Number 12

Help This Surveying

A manufacturer's sale of an article is not completed until that article has passed into the hands of an ultimate consumer. Although most manufacturers of consumer goods recognize this fact in their planning of consumer advertising, not so many of them are influenced by it to interest themselves properly in the movement of their goods through the channels of distribution.

A still smaller number of manufacturers realize that the rate of flow of other goods, even those which are not competitive, in the same channels is of importance to them. They are astoundingly awakened sometimes, when their sales efforts run up against the obstacle of distributors' excessive inventories of their own goods, and their awakening is still more astounding when they find that distributors are—as they must—lessening the pushing of their goods in order that more effort may be put behind the clearance of others that are filling shelves.

A manufacturer must know the condition of the whole sales road from his shipping door to the exits from the stores of his retail distributors. He must know when and where and by what the free flow of his goods is obstructed. He must have full information of every condition in the trade to which he contributes wares and from which he gets the services that enable him to complement his productive operations with the essential of sales.

This is why manufacturers of consumer goods must be actively interested in the plans of the United States Bureau of the Census to conduct a sample census of retail and wholesale trade, covering the year of 1937 and the first quarter of 1938. The business slump of persistent bothersomeness did not result from any lack of capital for production; it was caused by the overburdening of distribution. Whether this in turn was caused by overselling to dealers or underbuying from them the purposed census will endeavor to discover, among other things having to do with sales, payrolls, and inventories.

Schedule forms for this census will be mailed to wholesalers and retailers before April 1. Manufacturers should interest themselves in seeing that all their distributors get the forms—and return them properly filled.

It Is Still Discrimination

Perhaps it will work—this scheme of controlling the truthfulness of advertising of drugs, cosmetics, and therapeutic devices, along with foods, set up in the extension of the powers of the Federal Trade Commission. Nobody knows how many have worked of the hundreds of orders and stipulations with which the commission has sought to control such advertising for a number of years. There has been no bearing-down by appellate court decrees; maybe this has only appeared to be necessary in certain instances.

But, the singling out of four groups of commodities for special advertising censorship is discriminatory. It may be destructive of the commission's powers; because the courts have been rather consistent in their opinion that, in specifically including certain forms of a practice within a statutory generic designation, the legislature intended that other forms of this practice were not to be included. The commission may not have control over the advertising of other commodities by reason of its envious demand for specific control over the advertising of foods, drugs, cosmetics, and therapeutic devices.

Be that as it may, the discriminatory treatment of advertising of these commodities is not in keeping with democratic principles. The excuse that these commodities are potentially hazardous to the public health is lame. The constitution does not vest in the Congress any particular power with respect to health. And all deceptive advertising is inimical to the public welfare, with which Congress has a constitutional concern.

—O-P-D—

Bugs Have Had a Boon

Surveys by entomological experts indicate that the past mild Winter was kind to the majority of the insect pests of mankind. Some of the insects that prey upon agricultural crops are already emerging from their hibernations; the parent moths of destructive caterpillars are flitting about in Eastern orchards; white grubs are destructively at work in the Southwest and Midwest; wireworms are perniciously active in Pacific coast areas.

It is time for purveyors of agricultural insecticides to start telling those who already need these weapons what they should have and how to use them, not overlooking the wisdom of selling insecticides as well as giving free advice. By one sort of business reasoning it might seem to be more desirable to wait until later—the volume of the need for insecticides increases with the spread of the pests. But, the greater wisdom lies in getting in early when the fighting is more preventive than exterminative.

In the more acute stages there will be more turning to government help. Of course the government must buy the insecticides it provides—but who pays the taxes which are needed to fund this buying? Purveyors of insecticides do not pay all this portion of the revenue; but they must pay some—and much of the rest comes out of the pockets of those who will as a result have less to spend for things these purveyors have to sell. No tax scheme soaks any particular group; all schemes soak everybody.

There is good news in the report that, as was predicted herein some time ago, a means of effectually combatting the cornborer with chemical insecticides has been developed. Whether the insecticide industry discovered this, or the credit belongs to the government, is immaterial; the pertinent fact is that here is a new and big market for the industry. The weather has been a boon to the bugs. Here is a boon for the makers of bugkillers.

—O-P-D—

Colors for Cosmetics

Anticipation is the conserver of time—and of many other things as well. It is gratifying, therefore, to find the cosmetics industry, through the agency of its national organization, the Toilet Goods Association, turning for the nonce from the pursuit of markets for hair preparations to grasp the forelock of Time in a plan to be ready with practicable suggestions and a perfected program when the new food, drug, and cosmetic law will require the certification of the colors used in cosmetics.

It is but lately that the association established an agency equipped to deal with this important and difficult undertaking. This need was not foreseen when the association set up its bureau of standards; the purpose of the bureau was of another sort. But, the bureau was ready, whether the anticipation was planned or not, for the task in which it can be of much service to the cosmetic industry. In many directions opportunities already can be found for the expansion of association activities, and nobody knows when an opportunity bulking large with need will be presented.

The cosmetic industry is getting helpful and necessary cooperation from the makers of cosmetic colors. It will have excellent dermatological advice. And the Food and Drug Administration has stated its intention to help in the work, and has voiced its appreciative recognition of the cosmetic industry's constructive purpose.

The selection of safe colors in variety satisfactory to the extensive demands of users of cosmetics is an undertaking that requires coordination of the interests of various industries. Inorganic colors, as well as synthetic organics, have a place in this field. It must not be overlooked that, under a reasonable interpretation of the law, white "pigments" may be included in the requirement of certification of colors. This requirement in its entirety emphasizes the interdependence of industries. It calls for a close and earnest following of the lines of preparation that the cosmetic industry has laid out.

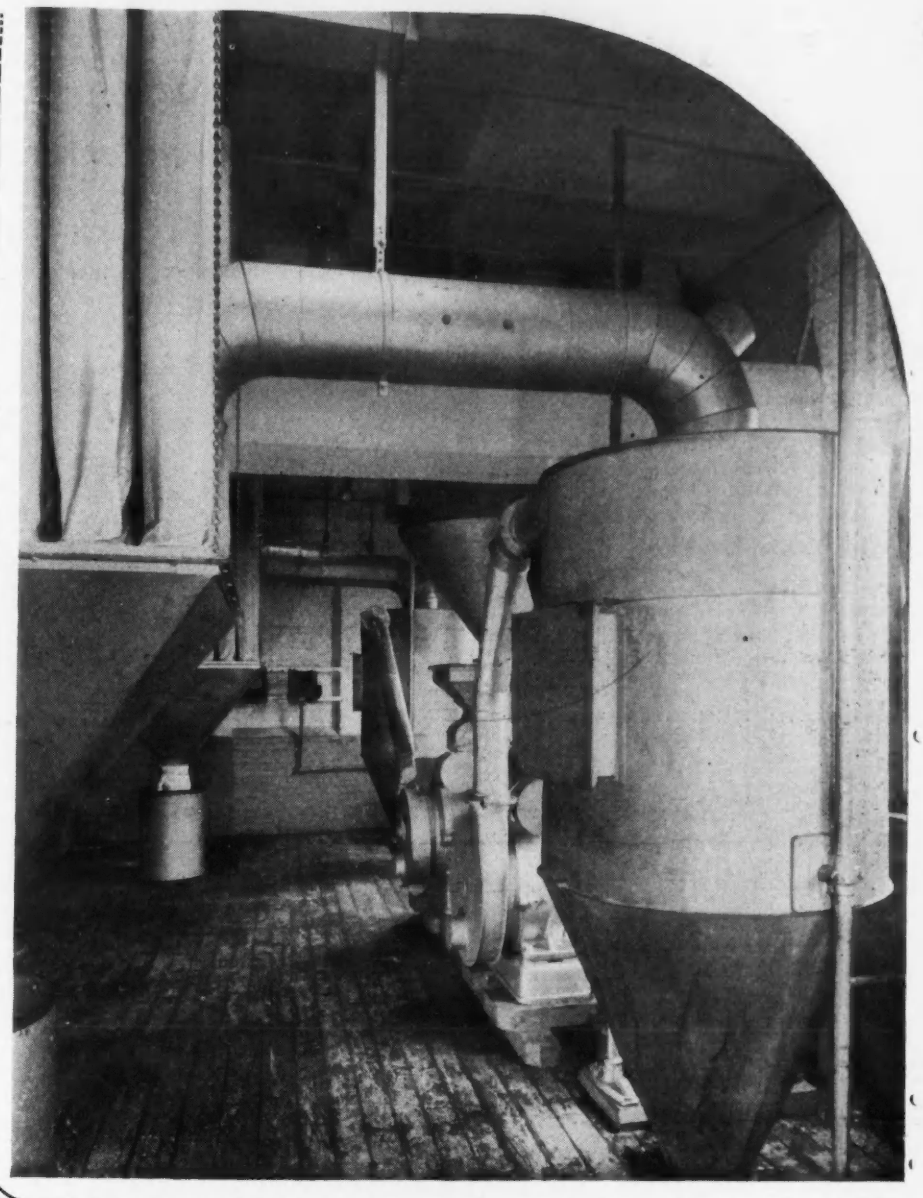
—O-P-D—

Opening for Better Taxing

The recent decisions of the supreme court, holding taxable incomes that are derived from petroleum operations under State leases, point the way to a more universal spreading of the tax burden and the elimination of certain inequalities. It has been difficult to understand why the supreme court persisted in the attitude that the income tax amendment to the constitution did not invalidate the basis of its decision given more than a hundred years ago, by virtue of which those who live by means of public funds are exempted from contributing to these funds.

The recent decisions of the supreme court are in keeping with the very plain language of the income tax amendment. They open the way for the elimination of exemptions from the income tax which deprive the government of substantial revenue. A movement in this direction has been started in Congress. It should be pushed to full realization of its objective.

PHENOLPHTHALEIN



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Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-eighty-fifth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Benzyldimethyldodecyl-Ammonium Chloride

Firefighting

Basic ingredient (Brit. 460649) in—
Air-foaming compositions for fire-extinguishing purposes

3-Chlor-4-hydroxydiphenylmethane

Disinfectant

Claimed (U.S. 1967825) to be—
New bactericide

Dibromonitromethane

Fuel

Primer (Brit. 461320) for—
Diesel fuels

Dodecyldimethylamine Formate

Firefighting

Basic ingredient (Brit. 460649) in—
Air-foaming compositions for fire-extinguishing purposes

2:3-Hydroxynaphthoic-4′-chlor-2′-methoxyanilide

Textile

Starting point (Brit. 453953) in making—
Dyed or printed red colors of fine purity of shade and fastness to kier-boiling with—
2-Amino-4-acetyl-1:1′-diphenyl ether or its 4′-chloro derivative
2-Amino-4-acetyl-3′-methyl-1:1′-diphenyl ether or its 4′-chloro derivative
2-Amino-4-acetyl-4′-methyl-1:1′-diphenyl ether or its 4′-chloro derivative

Morpholine

(Morpholin)

Chemical

Chemical whose dilute water solutions boil or evaporate with little change in composition
Chemical which, during evaporation or distillation, maintains a constant alkalinity both in the solution and in the distillate
Solvent miscible with—
Many miscellaneous chemicals
Most organic solvents
Suggested starting and processing material in making—
Inhibitors
Pharmaceutical chemicals
Rubber chemicals
Textile lubricants
Various synthetic organic chemicals

Cosmetic

Ingredient of—
Hair-waving preparations

Dye

Solvent for—
Dyes
Suggested processing material in making—
Dyes

Fats, Oils, and Waxes

Dispersing agent in making—
Emulsified products of fats, oils, or waxes

Leather

Dispersing agent in making—
Dressing compositions
Finishing compositions
Softening compositions
Waterproofing compositions

Miscellaneous

Chemical whose dilute water solutions boil or evaporate with little change in composition
Chemical which, during evaporation or distribution, induces a constant alkalinity both in the solution and in the distillate
Dispersing agent in—
Polishing compositions for furniture, automobiles, metals, wood, and other surfaces
Various processes involving aqueous solutions
Waterproofing compositions
Emulsifying agent in—
Polishing compositions resistant to water spotting
Solvent miscible with—
Most organic solvents
Many miscellaneous materials

Paint and Varnish

Dispersing agent in making—
Paints Varnishes
Solvent for—
Casein Shellac
Dyes Waxes
Resins

Paper

Dispersing agent in making—
Coatings Sizings

Plastics

Solvent for—
Casein Shellac
Resins

Power Generation

Reducer of—
Corrosion in closed boiler systems

Resins

Solvent for—
Resins Shellac

Textile

Dispersing agent in—
Coating compositions
Scouring compositions
Sizing compositions
Waterproofing compositions
Waxing compositions
Solvent for—
Dyes

Phenyl-Mercury-2-phenyl-quinolin 4-Carboxylate

Disinfectant

Claimed (U.S. 2022997) to be—
New germicide

Pyridin Stearate, Chlorinated

Lubricant

Stabilizing agent (Brit. 451412 and 453047) for—
Lubricating oils subjected to high pressures
Top cylinder lubricating compositions

Sodium Carbonate

(Carbonas Sodicus, Carbonate of Soda, Carbonate de Soude, Carbonato de Sodico, Carbonato di Sodio, Einfach Kohlensauresnatron, Kohlensauresnatron, Natrii Carbonas, Natrium Carbonicum, Sal Soda, Sal Sodae, Salzasche, Soda, Soda Ash, Sode, Sodii Carbonas, Washing Soda)

(Uses of modified forms of sodium carbonate, such as "Special Alkalies," are included)

Abrasives

Process material in making—
Abrasives

Adhesives

Ingredient of—
Adhesives
Solvent for—
Casein

Agriculture

Retting and digumming agent for—
Bast fibres Ramie fibres
Hemp fibres Sisal fibres
Jute fibres

Analysis

Reagent in—
Analytical processes involving control and research

Animal Husbandry

Ingredient of—
Cattle feeds
Sterilizing agent for—
Beehives

Brewing

Cleansing agent
Ingredient of—
Bottle-washing compounds

Building Construction

Antifreeze agent in—
Building blocks
Mortars
Remover of carbon dioxide from—
Cement kiln gas

Cellulose Products

Alkali in making—
Cellulose and cellulose derivatives

Chemical

Absorbent for—
Acids Nitrogen oxides
Hydrogen sulphide Phenols
Dehydrating agent for—
Organic compounds
Extractant in obtaining—
Alginic acid from seaweed
Hydrolyzing agent for—
Albuminoids
Neutralizing agent for—
Acids in various reactions and processes of chemical manufacturing
Process material in activating—
Charcoals
Process material in making—
Acetates
Activated carbons
Alkali salts
Alkyl compounds
Aluminum compounds
Arsenic organic derivatives
Amino compounds
Ammonia catalysts
Ammonium compounds
Anthraquinone derivatives, such as sodium salts of its sulphonic acids
Barium salts
Benzene derivatives and substitution products
Calcium salts
Chlorinated organic compounds
Cyanides
Glycols
Halogenated organic compounds
Hydrogenation catalysts
Intermediates used in making pharmaceuticals, aromatics, and other organic chemicals
Iron salts
Lead salts
Magnesium salts
Manganese salts
Nickel catalysts
Phosphates
Potassium salts
Thorium salts
Uranium and compounds
Ureas
Vanadium compounds
Various inorganic and organic chemicals
Remover of carbon dioxide from—
Air Inert gases
Gas
Starting point in making—
Sodium inorganic salts
Sodium organic compounds

Clay Products

Cleaning agent for—
American kaolin
Canadian china clay
Canadian d'Amherst clay
Fraddon china clay
Mid-Cornwall china clay
Pentruff china clay
Wotter clay
Deflocculating agent for—
Clay
Peptizing agent for—
Clay

Cosmetic

Ingredient of—
Bath salts
Saponifying agent in making—
Cosmetic creams

Dye

Process material in making—
Dyestuffs
Intermediates

Electrical

Process material in making—
Depolarizers for dry batteries
Electrodes for storage batteries

Explosives and Matches

Process material in making—
Explosives

Fats and Oils

Process material in making—
Hydrogenation catalysts
Saponifying agent for—
All fatty compounds

Fertilizer

Process material in making—
Fertilizers

Firefighting

Ingredient of—
Chemical fire-extinguisher liquids

Food

Neutralizing agent for—
Acids in food
Source of carbon dioxide in—
Food processing
Sterilizing agent for—
Cabbage Legumes
Grains

Glass

Ingredient of—
Glass batches

Insecticide and Fungicide

Process material in making—
Arsenates

Laundering

Detergent in—
Washroom operations
Neutralizer of—
Acid odors

Leather

Process material in—
Finishing processes
Tanning processes

Metal Fabrication

Degreasing agent for—
Metalware generally
Metalware prior to enamelling
Ingredient of—
Frits in enamelling processes

Metallurgical

Electrolyte ingredient in—
Brass-plating
Copper-plating
Electroplating aluminum
Nickel-plating aluminum
Flotation agent for—
Copper ores, such as chalcocite and chalcopyrite Porphyry ores Silver ores Sulphide ores Zinc-lead ores
Galena
Flux for—
Brass Iron ore
Ingredient of—
Arc-welding fluxes
Brazing fluxes
Case-hardening compounds
Process material in—
Chromite ore treatment
Heat-treating various metals
Molybdenum metallurgy
Process material in extracting—
Radium from ore
Tungsten from ore
Uranium from ore
Vanadium from ore

(To be continued)

Thiophene Stearate, Chlorinated

Lubricant

Stabilizing agent (Brit. 451412 and 453047) for—
Lubricating oils subjected to high pressures
Top cylinder lubricating compositions

Tributylamine Oxide

Chemical

Starting point (Brit. 460710) in making—
Cleansing, disinfecting, and wetting agents by reacting with alkylene oxides
Emulsifying agents for soaps, glue, gelatin, gums, and mucilages
Textile stripping agents for vat dyestuffs by reacting with alkylene oxides and admixing with hydrosulphites

Heavy Chemicals

General Sentiment Improved—Munition Chemicals Outlook Better —Blue Vitriol in Good Demand—Alkalies Show Improvement —Imported Silicofluoride Lower—Sulphuric Acid Firm

The market for industrial chemicals showed an improved sentiment on the part of most sellers last week. The volume of business however, showed no tangible signs of expanding. Reports emanating from basic industries were more encouraging. International developments had an influence on the outlook for certain chemicals, while indications of a more sympathetic attitude by the senate regarding the tax bill to restore confidence and encourage business, and the strong feeling anent the house passing the naval expansion bill combined to create a better feeling for the outlook. Prices for the second quarter apparently will remain unaltered with the passing of the deadline for contract announcements, bringing no indications of revisions either way. Price for imported soda silicofluoride was reported fractionally reduced.

The steel operations and the automotive, and paper industries provided the highlights in the industrial situation, all showing slightly higher production levels. The glass industry's prospects were better, especially for pressed and blown materials. Rayon activity was estimated at 59 percent of capacity.

As the result of international complications over the past week, speculation was aroused regarding the affect on munitions that may enjoy a fillip of orders. Several chemicals were thought to be affected by these developments, especially nitrates phosphorus, saltpeter, chloropicrin, manganese dioxide and certain metals, such as antimony, aluminum, molybdenum and tungsten.

Blue Vitriol was reported in good demand, and reports were that exports were moving at a good pace for water purification purposes and other uses. Chlorine shipments were moving at a better pace for sewage treatment and to the paper industry. The alkalies, especially soda ash and caustic soda, were in better demand than earlier in the year. Imported soda silicofluoride, was reduced while domestic sellers were adhering to previous levels. Sulphuric acid enjoyed a better demand for the account of the fertilizer industry. Insecticides were moving at a better rate, with seasonal conditions playing the major part in stimulating demand, especially for spraying materials.

Alums.—Demand for ammonia and potash alums remained highly irregular, while the call for alum sulphate commercial and iron-free was fair at times. Prices were well held at previous levels. January exports of alum sulphate aggregated 4,346,782 pounds, valued at $42,070, of which 2,916,813 pounds went to Canada; 18,150 pounds to Mexico; 66,050 pounds to Cuba; 112,014 pounds to Argentina; 333,375 pounds to Colombia; 780,000 pounds to China, and 120,380 pounds to the Philippine Islands. Imports during January of other aluminum compounds amounted to 448,452 pounds, valued at $49,026, of which Canada took 413,221 pounds.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Soda silicofluoride, imported, 1½c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.6	153.6	153.6	154.2

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.6	99.4

Market news that may have developed after this report was sent to press will be found on page 4.

Ammonia, Anhydrous.—The outlook for this material becomes more promising as the warmer weather approaches. Current business was described as fair, and quotations were firm at previous levels. January exports were 148,931 pounds, valued at $21,686, of which 12,338 went to the United Kingdom; 19,276 to Mexico; 20,527 to The Netherlands West Indies; 12,000 pounds to other Asiatic countries; 12,798 pounds to the Union of South Africa, and 15,066 to Liberia.

Ammonia Nitrate.—Reports of worldwide acceleration in rearmament programs as the result of unsettled conditions in Europe should augur well for this material for the account of explosive manufacturers. Prices were without change.

Antimony.—The price of the domestic metal continued unaltered at 13¾c. per pound, ex store. Demand remains slow, while some hope of stimulation for the account of fireworks and explosive manufacturers was held as a distinct possibility in view of general world conditions.

Arsenic.—The call for the red and white arsenic continued moderate. Demand from insecticide manufacturers and the glass trade was along routine lines for immediate requirements only. Prices were unchanged.

Bleaching Powder.—Sellers reported a fairly steady demand for this material, the call came from laundries, disinfectant manufacturers and other consumers. Prices were unaltered.

Blue Vitriol.—A good business was reported in this market last week. Shipments were moving at a good pace for the account of insecticide trade, water purification and mineral flotation activities. Petroleum refiners also were making fair commitments for this material. Exports were reported to be moving at a better clip for water purification purposes. Prices were well maintained at previous levels. January exports totaled 2,197,339 pounds, valued at $86,574, of which 1,026,000 pounds went to Honduras; 520,000 pounds to France; 438,013 pounds to Mexico; 54,950 pounds to Canada; 13,000 pounds to Nicaragua; 59,400 pounds to Jamaica; 5,000 pounds to Haiti; 1,500 pounds to Colombia, and 78,300 pounds to Turkey.

Calcium Chloride.—Although shipments from various sources were reported to be moving at a fair pace; sellers point out that the market is experiencing an in-between season as far as the ice control and dust control activities were concerned. However withdrawals for the latter purpose should soon get underway. Prices were unchanged. January exports amounted to 143,173 pounds, valued at $6,111, of which 103,215 pounds was shipped to Cuba; 14,000 pounds to Canada; 3,250 pounds to Bermuda; 6,000 pounds to the Netherland West Indies, and 12,420 pounds to Ecuador.

Carbon Bisulphide.—Dealings in this market was described as moderate during the week just ended. Sellers were adhering to quotations previous in force. January exports were 363,197 pounds, valued at $16,315, of which 327,357 pounds went to Canada; 8,000 pounds to Honduras; 10,350 pounds to Salvador; 2,000 pounds to Jamaica; 6,900 pounds to Trinidad and Tobako; 1,650 pounds to Surinam; 1,100 pounds to Peru; 2,250 pounds to the Union of South Africa, and 3,000 pounds to Mozambique.

Chlorine.—Shipments are reported to be moving at a better pace so far this month for sewage treatment. Improved reports from the paper industry also should augur well for increased consumption from this major industry. Prices were unaltered. January exports amounted to 859,659 pounds, valued at $31,102, of which 721,300 pounds went to Canada; 36,950 pounds to Mexico; 5,000 pounds to the Panama Canal Zone; 37,500 pounds to Cuba; 12,500 pounds to Chile; 30,000 pounds to China, and 4,959 pounds to the Philippine Islands.

Chloropicrin.—Shipments were moving at a fair pace. Use of this material as a military gas may be further augmented by the tentative rearmament program now before Congress. Price for the 100 pound cylinders was 85c. at

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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CREAM OF TARTAR : SULPHURIC ACID : CARBON BISULPHIDE : TARTARIC ACID : WHITING
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Liquid Chlorine

Calcium Chloride

Caustic Potash
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Ammonium Chloride

Para-dichlorobenzene

Ortho-dichlorobenzene

Ammonium Bicarbonate

Potassium Carbonate
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47% 83-85% 98-100%

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the works, and $1.15 per pound for the smaller quantities.

Copper.—A slightly better demand was experienced in the market for domestic copper last week, with smelters and primary producers continuing to adhere to the 10c. level, delivered Connecticut valley base. Refinery buying price for scrap copper has been advanced ¼c. per pound at 8½c. per pound for number one heavy melting scrap. Activity abroad was stimulated, demand was predicated upon prospects of further augmentation of already large armament programs as a result of recent developments in the European situation. Russia was reported. as again desirous of acquiring additional supplies of copper. Sales were negotiated around the 10c. level, c.i.f. European base ports. Largely because foreign consumption was ahead of a year ago the copper statistics for February were considered generally favorable in the trade. Refined stocks of the metal abroad declined moderately, but in the United States they increased 27,111 tons to 326,244 tons, the highest since 1934. Domestic deliveries, however, were beginning to increase and in February were about 50 percent more than in December when they amounted to only 18,660 tons.

Nickel Salts.—The anticipated improvement in the automotive industry should augur well for increased use of this material by the plating trade. Prices were in conformity with those prevailing the previous week.

Potash Carbonate.—The call continued highly irregular at times during the week under review. Prices were steady to firm at previous levels. The call came from the soap, fertilizer and textile industry for fair amounts.

Potash, Caustic.—The market experienced a mixed demand from various consuming channels last week. Shipments for the textile and soap industry were described as moderate. Prices were unaltered.

Potash Perchlorate. — Business was along moderate lines again last week. Use of this material as commercial and military explosive should benefit by any enhancement in rearmament programs. Prices were steady to firm.

Saltcake. — Shipments were moving out at an irregular pace for the account of the paper, glass and soap industries. Reports of improved operations for the paper trade was encouraging, while the glass industry outlook appeared more favorable from some consuming industries such as automotive and bottling. Prices were the same as the preceding period.

Saltpeter.—Sellers report that business was progressing at a fair pace throughout the week. Meat packers, match and fertilizer trade were providing the chief interest for this material. Use as a war material received some possibilities of improvement. Prices were unchanged.

Soda Ash.—Reports were to the effect a slightly better demand was evident last week, and business so far during March has been running ahead of the first two months. Prices were firm at previous levels. January imports aggregated 8,211,020 pounds, valued at $103,391, of which 390,000 pounds went to Canada; 2,770,785 pounds to Mexico; 170,832 pounds to Cuba; 1,633,500 pounds to Argentina; 916,020 pounds to Brazil; 334,797 pounds to Peru; 363,800 pounds to Uruguay; 219,910 pounds to Venezuela; 749,500 pounds to British India; 276,300 pounds to the Netherland Indies, and 71,503 pounds to the Philippine Islands.

Soda Bicarbonate.—Business in this market was fair at times throughout the week. Call from beverage trade should show a seasonal pickup soon, while the food industry was coming in for fair commitments. Prices were without change; freight rate increases may be reflected in quotations at a later date, but advances on less car lot quantities have been put into effect previously as the result of the advance last year. January exports were 1,328,107 pounds, valued at $20,653, of which 937,065 pounds went to Canada; 219,250 pounds to Mexico; 22,565 pounds to Cuba; 20,184 pounds to Colombia; 21,795 pounds to Venezuela; 33,050 pounds to Netherland Indies, and 47,250 pounds to the Union of South Africa.

Soda Caustic.—Sellers were reporting a fair sized improvement in business so far this month as compared with the previous two months. Improvement in the paper industry was held to be a contributing factor. Prices were well maintained at previous levels. Exports during January were 18,767,281 pounds, valued at $375,967, of which 4,480,000 pounds was shipped to the United Kingdom; 2,756,979 pounds to Canada; 3,250,721 pounds to Mexico; 850,622 pounds to Cuba; 119,000 pounds to the Dominican Republic; 1,389,161 pounds to the Netherland West Indies; 1,456,000 pounds to Argentina; 441,700 pounds to Brazil; 197,110 pounds to Colombia; 458,500 pounds to Uruguay; 286,860 pounds to British India; 1,656,045 pounds to the Netherland Indies; 112,370 pounds to Hongkong; 870,255 pounds to the Philippine Islands, and 105,689 pounds to Australia.

Soda Cyanide.—A fair business was reported for the account of the plating trade, and any betterment in automotive production was expected to be reflected in increased commitments from this source. Prices were steady to firm. January exports amounted to 155,895 pounds, valued at $23,476, of which 1,730 pounds went to Canada; 66,792 pounds to Mexico; 13,020 pounds to Bolivia; 27,314 pounds to Colombia; 2,000 pounds to Japan; 20,000 pounds to the Philippine Islands; 2,815 pounds to Australia, and 20,000 pounds to Mozambique.

Soda, Phosphate.—Demand for various soda phosphates was proceeding at a fairly reasonable level. Prices in all instances were without alteration. January exports of mono, di, tri, meta or pyro aggregated 455,192 pounds, valued at $17,045, of which 119,800 pounds went to Belgium, 173,200 pounds to the United Kingdom, 83,188 pounds to Canada, 10,000 pounds to the Panama Canal Zone, 14,925 pounds to Mexico, 18,269 pounds to Cuba, 4,000 pounds to Colombia, 12,500 pounds to New Zealand and 14,420 pounds to the Union of South Africa.

Soda Silicate.—A moderate call was provided for this material for the account of the paper, and soap trade, while other consumers were also making fair-sized commitments. Prices continue the same. January exports aggregated 1,137,166 pounds, valued at $15,913, of which 559,625 pounds went to Canada, 25,900 pounds to Honduras, 119,724 pounds to Mexico, 142,861 pounds to Cuba, 71,712 pounds to the Dominican Republic, 70,339 pounds to Argentina and 110,050 pounds to the Philippine Islands.

Soda, Silicofluoride. — Price for the imported material was reported fractionally reduced at 5¼c. per pound for car lots, less car lot quantities were 5½c. per pound. Domestic material remained unchanged. Business was slow, with the call from the glass and ceramic trades for immediate requirements only.

Tin Salts.—Prices for the various tin derivatives were holding steady at last week's quotations. Business was along fairly moderate lines. The Tin Producers Association has approved the buffer stock plan and has adopted a recommendation urging that it be operated by the International Tin Committee. Consumption of tin during the year 1938 was expected to reach about 150,000 tons, say British authorities. That it would be about 50,000 tons less than was consumed in 1937. If the present quota of 55 percent is maintained, production will be at the rate of 140,000 tons annually, including countries outside the restriction agreement. The effect will be to reduce the visible stocks, estimated to have totaled 24,431 tons on January 31. Consumption of tin in 1937 was estimated at 206,000 tons.

Acids

A slight improvement in demand for sulphuric acid for the account of the fertilizer industry was about the only feature to an otherwise quiet market for the various mineral acids. Statistics released by the Department of Commerce relative to sulphuric acid reveal declines in January production and receipts from fertilizer manufacturers. Consumption and shipments show a slight decline, while stocks at the end of the month were higher than the preceding period. Prices for the various acids were well maintained. The call for acetic continued highly irregular. Muriatic, chromic and formic were in moderate demand, and the outlook for

—*Continued on page 32*

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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Barrett CHEMICALS

Coaltar Chemicals

Phenol Remains Dull — Cresylic Acid Quiet — Benzol Demand Sufficient to Absorb Available Supplies—Picric Acid Firm —Intermediates and Coaltar Colors Remain Slow

Demand for coaltar chemicals continued quiet throughout the week just closed. Sellers reported that manufacturing consumers were pursuing the hand-to-mouth buying policy prevalent for some time. A more hopeful attitude prevailed in most quarters, with some indications of a seasonal acceleration with the approach of warmer weather. The market was without price changes.

The demand from the principle consuming industries was commensurate with production schedules, which continue to run far below the preceding year. The call for phenol from the synthetic resin industry was slow, and the export market remains in the doldrums. Cresylic acid continued quiet. Domestic prices for the high and low boiling materials were unaltered. The imported pale 97-99 percent grade was easy, but most quarters were still adhering to the prices published in the preceding week. Benzol was a firm feature, and demand was sufficient to absorb the available supplies. In some quarters difficulty was encountered in supplying large size orders for prompt delivery.

Sellers were hopeful for a seasonal pickup in the demand for creosote oil, coaltar pitch, napthalene, toluol and xylol. It was felt that any improvement in the automotive industry would soon be reflected in a better demand from the lacquer trade for toluol and xylol. Automotive production last week showed a slight gain, and with the success of the National used car exchange week indications were that the way to recovery in the automobile industry has been cleared.

Coaltar acids were quiet. Picric acid was a firm feature. A better interest was expected to develop in the event the rearmament program becomes an actuality. Intermediates remain dull, but prices were well maintained in all sections. January exports amounted to 163,943 pounds, valued at $52,162. Coaltar colors noted a slight improvement, although business was still considerably below this time a year ago.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	126.4

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—The market continued to display a firm tone. Demand was sufficient from the usual channels of consumption to absorb the available supplies of benzol. In some quarters difficulty was still encountered in supplying large size orders for immediate delivery. Production schedules continue at a low level as evidenced by the low rate of steel operations, which were estimated at 32.1 percent of capacity, compared with 29.9 percent in the preceding week and 88.9 percent in the corresponding week a year ago, according to the American Iron and Steel Institute. January exports amounted to 212,463 gallons, valued at $51,363, of which 27,716 gallons was shipped to Canada; 106 gallons to Salvador; 159 gallons to Bolivia; 1,080 gallons to Peru; 172,696 gallons to Japan; 10,600 gallons to the Philippine Islands, and 106 gallons to New Zealand.

Coaltar.—Business in this market was fair throughout the week under review. Sellers were adhering to quotations previously in force. January exports of crude and refined coaltar totaled 91,747 gallons, valued at $12,266, of which 61,649 gallons went to Canada; 20,362 gallons to Panama Canal Zone; 799 gallons to Liberia; 312 gallons to Oceania; 920 gallons to Venezuela; 1,100 gallons to Colombia; 3,080 gallons to Bolivia; 876 gallons to Cuba; 440 gallons to Mexico; 681 gallons to Salvador, and 443 gallons to Nicaragua.

Cresol.—Usual consumers were providing a moderate interest in this market during the week just ended. Quotations were without change.

Creosote Oil.—Demand was along routine lines last week. The railroads and the utility companies and other consumers were expected to make larger withdrawals with the approach of the warmer weather. Quotations were in conformity with those prevailing previously. January exports amounted to 39,485 gallons, valued at $6,796, of which 16,112 gallons went to Canada; 20,110 gallons to Honduras; 659 gallons to Panama; 1,332 gallons to Cuba; 825 gallons to Peru; 392 gallons to Uruguay, and 55 gallons to other Portuguese Africa.

Cresylic Acid.—The market for the high and low boiling cresylic acid noted comparativey little change from the previous period, with demand from the synthetic resin industry and other consumers quiet. Prices were unchanged. The imported material, 97-99 percent, remained easy; prices were about the same as the preceding period.

Naphthalene.—The call for the refined material enjoyed a fairly steady demand, with prices remaining the same as heretofore. The call for the crude was fair at times, and quotations were unaltered.

Phenol.—The market for phenol continued dull. The call from the synthetic resin industry and other usual consumers was for nearby requirements only. The export market remained quiet. Prices were in conformity with those prevailing last week.

Pitch, Coaltar.—Sellers were anticipating a more active interest for this material with the return of warmer weather. Current business was somewhat quiet. Quotations were unchanged. January exports of coaltar pitch totaled 6,238 tons, valued at $37,865, of which 5,967 tons went to France, 55 tons to the United Kingdom, 200 tons to Canada, 2 tons to Argentina and 14 tons to Colombia.

Solvent Naphtha.—Business in the market for the high flash and water white materials continued highly irregular at times. No change was uncovered in quotations.

Toluol.—A fair interest was displayed in this market throughout the week under review. Prices were steady to firm at previous levels. Automobile production last week was estimated at 57,438 units, compared with 54,445 units in the preceding period and 103,649 units in the corresponding period last year.

Xylol.—A firm tone was experienced in this direction last week, with usual consumers ordering out fair amounts to meet immediate requirements only. Consumption of crude rubber by manufacturers in the United States in February amounted to 23,868 long tons, against 29,429 in January and 51,887 in February last year, according to the Rubber Manufacturers Association. Domestic stocks of crude rubber on February 28 were placed at 288,883 tons, compared with 269,078 on January 31 and 195,080 tons on February 28, 1937.

Chicago Coaltar Bases

Buying of coaltar bases is reported moderately good, but rather spotty in type, and without any special push in the way of strengthening the market situation. Inquiries are fair. The offerings are not overly large. Benzol is in good tone. Motor benzol business is reported a little better. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—A firm tone ruled throughout the week under review, although demand for the technical and refined material was confined to conservative proportions.

Broenner's.—Demand continued quiet. The call from the dyestuff manufactur-

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

ers was confined to small quantities. Prices were unaltered.

Cleve's.—The market was concerned with small amounts for nearby needs, despite the quiet nature of the dealings; quotations remain steady to firm.

Malic.—Demand from chemical processors continued slow. Sellers were adhering to quotations previously in force.

Picric.—A better interest was expected to be displayed in this market in the event the rearmament programs and military preparedness now in the tentative stages become an actuality. Prices were firm at previous levels.

Salicylic.—The demand was irregular during the week just ended. The call came from dyestuff manufacturers and other consumers for moderate quantities. Prices remained unchanged.

Other Intermediates

Alphanaphthylamine.—The call continued rather slow, with dyestuff manufacturers and other consumers adhering to a hand-to-mouth buying policy. Prices were firm.

Anilin.—A fair interest was experienced in this direction during the week just closed. Sellers were adhering to quotations previously in force.

Anthraquinone.—The call from dyestuffs manufacturers remains quiet. Despite the lethargy, sellers continued to quote the prices previously in force.

Betanaphthol.—The market for the technical material was quiet again last week. Prices were in conformity with those prevailing in the preceding period.

Dimethylanilin.—Another quiet week was witnessed in this market. No change was uncovered in quotations from the preceding period.

Dinitrobenzene.—A firm tone continued the rule in this market again last week. Usual consumers were adhering to a conservative purchasing policy, with quotations unaltered.

Nitrobenzene.—No change was revealed in this market from the quiet conditions prevailing in the preceding period. Sellers reported prices were steady to firm at previous levels.

Orthonitrotoluene.—Quiet continued the rule again last week. The market was concerned with small quantities. Despite the dullness, prices were well held at previous levels.

Paranitrotoluene.—The market was described as slow, with the disposition to limit commitments to actual needs only. Prices were steady to firm.

Phthalic Anhydride.—Developments of significance were absent in this direction during the week under review. Demand was slow and price unchanged from preceding week.

Toluidin.—Little interest was displayed here last week. Despite the dull nature of the dealings, quotations were well maintained at previous levels.

Coaltar Colors

Business in the market for coaltar colors continued quiet. A slight improvement was reported, but business was still considerably below this time a year ago. Sellers were adhering to quotations previously in force. The 1938 Fall woolen card released by the Textile Color Card Association consists of forty-four colors. Included in this unusual palette are illusive, shadowy tones of medium register, as twilight mauve, patio blue, greenhaze and canyon blue. In this new card, it was explained, a series of "half tones," in which each basic color is grouped with a lighter harmonizing shade, while the second arrangement features medium and darker basic tones with important new contrasting accents for Fall. January exports of coaltar colors, dyes and stains, amounted to 556,162 pounds, valued at $228,973.

Clay Filter Plates Tariff Defined

Filter plates manufactured from clay, glass, and chamoette by being pressed into molds and baked in a ceramic kiln, were held more specifically provided for as plain yellow earthenware under paragraph 211 of the tariff act of 1930, than under the more general provision for earthy or mineral substances in paragraph 214, in a decision handed down in the United States Customs Court, in the case of the General Aniline Works, Inc., dyestuff intermediate manufacturer, vs. United States. Plain yellow earthenware is accessible at 45 percent ad valorem and 10c. per dozen pieces. The General Aniline claimed the merchandise was not earthenware, but, as it was composed of an earthy or mineral substance, it was subject to a duty of 30 percent ad valorem under paragraph 214.

Balto. Production Club Hears Address on Lithopone

The Baltimore Paint and Varnish Production Club, at its March meeting in the Longfellow hotel, was addressed by Kenneth S. Mowlds, of the Chemical & Pigment Company of Baltimore, on "Manufacture of Lithopone." Mr. Mowlds stated that the manufacture of lithopone was divided into five stages—the preparation of zinc sulphate liquor, the preparation of the barium sulphide liquor, precipitation, calcination and the finishing operations.

The club approved the recommendation of the advisory committee of the federation to elect officers in May, with officers-elect taking office in November. Leroy Shuger, secretary, was instructed to notify the federation that exception was being taken to a recent suggestion that raw material manufacturers should not be admitted to active membership and that the number of guests at the meetings, as well as the frequency of their attendance, be limited.

Coaltar Freights Changed

The New York Public Service Commission has approved the cancellation of freight rates on the following:—

By the Lehigh Valley railroad on crude coaltar and crude tar oil, except roofing and paving tax, carloads, and crude coaltar, tankcars, from Geneva to Syracuse and Solvay and from Geneva to Auburn. Advances to class rates, effective March 26.

American Dyewood Company has leased executive office space in 15 East Fortieth street, this city. The offices have been for fifteen years located in the Pershing Square building. The company will move May 1.

Naval Stores Group Gets $7,000,000 Loan

—Continued from page 5

cover not more than 150,000 units of gum naval stores out of an estimated possible production of 350,000 units this season.

In announcing the loan program, the AAA stated:—

The loans will enable producers to avoid the necessity of placing all their naval stores products on the market at harvest and will permit them to market such products through normal distribution channels, during the season, in quantities that may be absorbed more readily by the industry. The period of heaviest production of naval stores is from April to September, when about 70 percent of the total annual crop is produced.

The loan is not one for price-fixing purposes. Producers of gum naval stores are to a considerable extent, participating in the naval stores conservation program in order to protect producing timber from abusive uses. Such participation also is having the effect of making some reduction in the quantities of naval stores produced, as shown by inventory stocks of gum naval stores January 1, which were the lowest at that time in five years.

While the carryover of rosin into 1938 is considerably less than for the past three years, the price for the first ten weeks of 1938 has been considerably below the levels for a corresponding period in 1937. Within the past two weeks the prevailing price is slightly under the prices for a similar period in 1936. The 1937-38 average price of turpentine, quoted at $15.32 per barrel at Savannah, is sharply lower than at any time in the past several years.

Haas-Miller Corporation, manufacturer of chemicals, oils and greases, Philadelphia, reports the perfection of a colorless, self-emulsifying oil. The company describes the product as containing no free fatty acid and less than one-half of one percent moisture, and is odorless, stainless and non-oxidizing.

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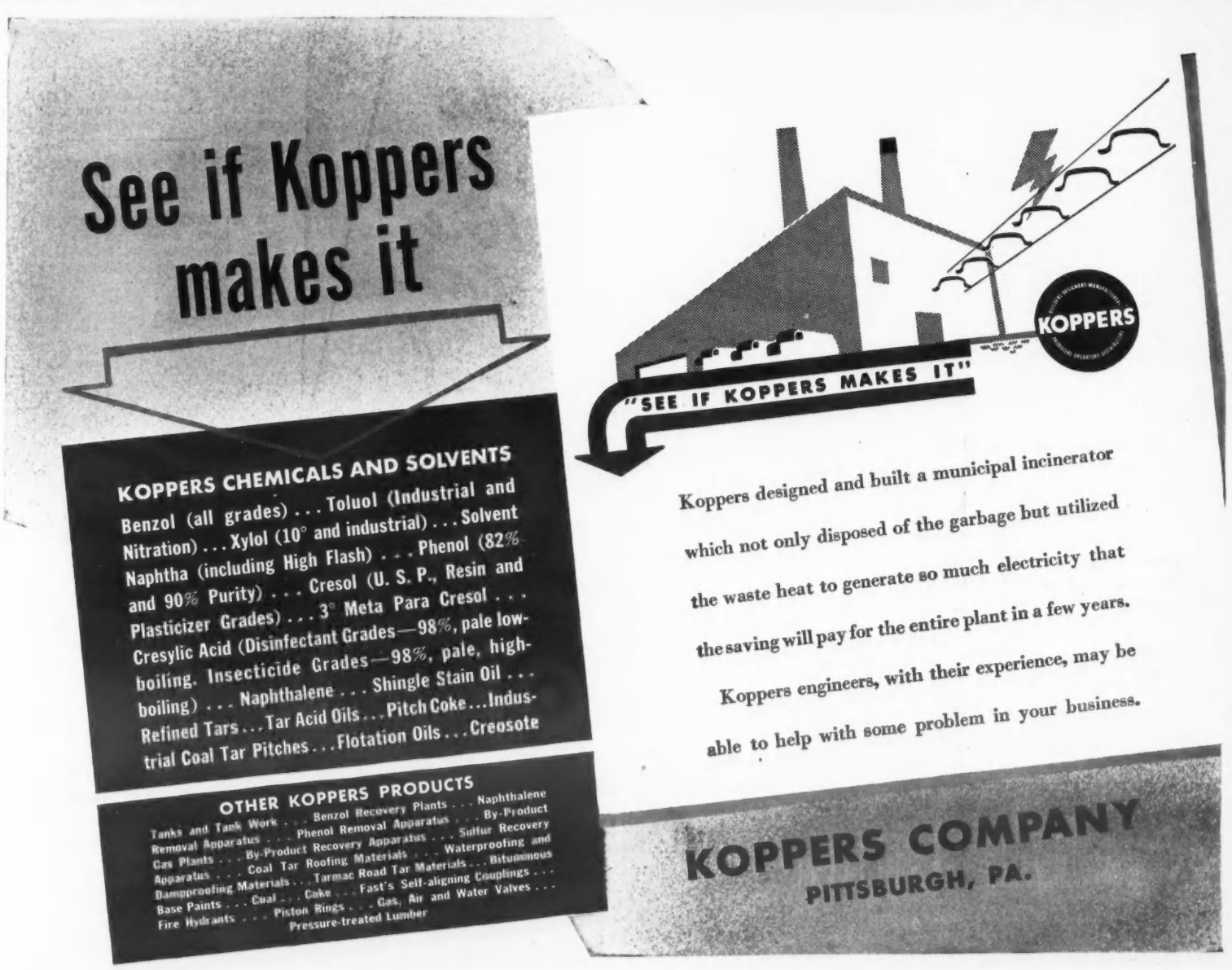
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Heavy Chemicals

Acids

—*Continued from page 29*

nitric was improved in view of the rearmament programs, which were expected to reflect in an improved expansion for this material.

Acetic. — Demand from various channels of consumptions remained highly irregular at times throughout the week just closed. Prices ruled unchanged. January exports amounted to 4,262 pounds, valued at $634, of which 430 pounds went to the United Kingdom; 1,440 pounds to Canada; 255 pounds to Mexico; 350 pounds to Chile; 300 pounds to Colombia; 460 pounds to Venezuela; 400 pounds to the Philippine Islands

Chromic. — The call from the plating trade and other consumers was moderate throughout the week just closed. Prices were the same as the preceding period.

Formic. — A firm tone governed the dealings throughout the week, although demand was confined to immediate requirements only. Prices were in conformity with those prevailing the preceding period.

Muriatic.—Another quiet week was witnessed in this direction last week. Despite the dullness of the call, sellers were adhering to quotations previously in effect. January exports were 623,224 pounds, valued at $9,993, of which 26,764 pounds was shipped to Canada; 17,780 pounds to Guatemala; 5,528 pounds to Honduras; 9,192 pounds to Mexico; 526,834 pounds to Cuba; 25,002 pounds to the Dominican Republic; 3,450 pounds to Colombia, and 1,427 pounds to Peru.

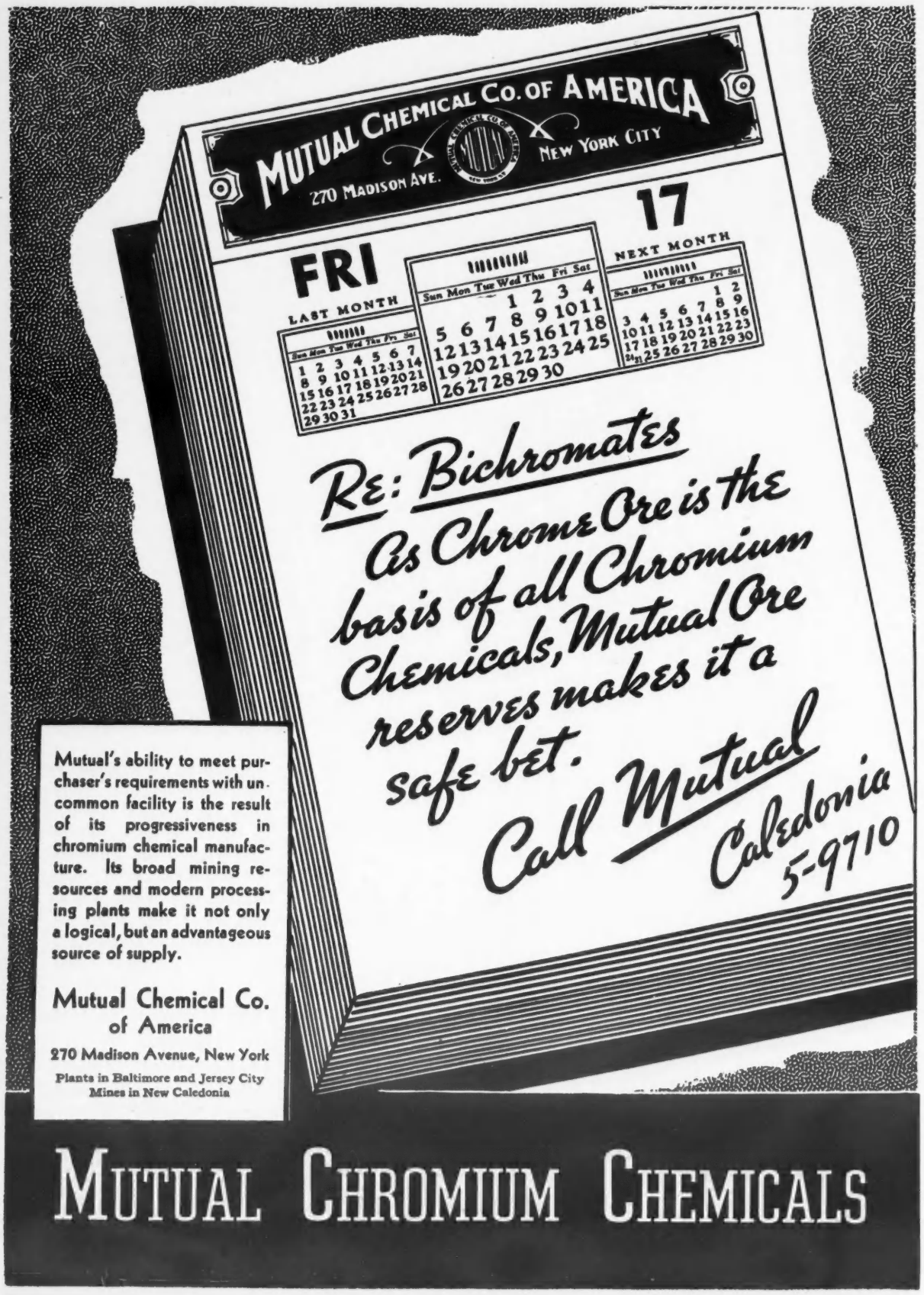
Nitric.—Quiet characterized dealings in this direction again last week. However, any demand for explosives in view of rearmament programs was expected to reflect in a better demand for this material. Prices were well maintained at previous levels.

Oxalic.—The call from various consumers was described as moderate last week. Sellers were adhering to quotations previously in effect.

Sulphuric Acid.—A slight improvement in the market was reported last week. The increased demand came chiefly from the fertilizer industry, while other consumers were adhering to a conservative buying policy for nearby needs. Prices continued firm at previous quotations. Statistics on production, receipts, consumptions, shipments and stocks of sulphuric acids, based on data reported by 56 fertilizer manufacturers for January, 1938, against 58 for the months of 1937 were released by the Department of Commerce. Production by fertilizer manufacturers during January, 1938, amounted to 183,794 tons, receipts to 43,250 tons; consumption by reporting manufacturers to 147,443 tons, shipments to 77,326 tons and stocks on hand at end of month to 89,662. This compared with production during December, 1937, of 199,508 tons, receipts to 78,750 tons, consumption by reporting manufacturers to 189,960 tons, shipments to 92,506 tons and stocks on hand at end of December to 87,290 tons.

Baltimore, Mar. 16.—While the movement in fertilizer mixtures is just a little better than it has been, now that the shipping season is well on the way, somewhat more interest is being shown in the market for sulphuric acid, though the volume of business done by the makers of mixtures is still more or less under what might be termed the normal level. The acid producers adhere to their figures of $12 per ton for 60 degree and of $15 per ton for 66 degree acid.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7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Insecticides

Seasonal improvement was noticeable in agricultural insecticides and fungicides throughout the week under review. The active season for withdrawals usually commences around the middle of this month, and sellers are looking forward to gradual improvement as the season gets underway. Prices were steady to firm at previous established levels. January exports of other insecticides and fungicides besides those previously published amounted to 496,275 pounds, valued at $107,115. The New York State Conservation Department plans to attack three major plant pests and diseases this year—alfalfa snout beetle, the Japanese beetle and the Dutch elm disease. Poisoned "bait" is being prepared for the beetles, the department said. Unusually heavy deposits of egg pods, from which will Spring hordes of hungry grasshoppers, raised fears among Midwestern farmers that crop destruction by the pest this year was potentially greater than in 1937. Department of Agriculture experts are now conducting a survey of some twenty states preparing for a campaign against the pests, which have become quite prevalent since the 1934 drought. The Department estimated grasshoppers destroyed crops worth $66,000,000 in twenty-four states last year.

Calcium Arsenate.—Shipments were reported to be moving out in fair volume, with sellers adhering to quotations previously prevailing. January exports totaled 193,602 pounds, valued at $8,705, of which 11,500 pounds went to Mexico, 180,000 pounds to Peru, 1,102 pounds to Venezuela, and 1,000 pounds to the Philippine Islands.

Lead Arsenate.—A better inquiry was prevalent in this direction throughout the period under review. Sellers were quoting the same prices published a few weeks ago. January exports were 41,850 pounds, valued at $4,226, of which France took 6,765 pounds; Honduras, 125 pounds; Mexico, 24,484 pounds; Bermuda, 60 pounds; Jamaica, 192 pounds; Cuba, 4,224 pounds, and Australia, 6,000 pounds.

Lime Sulphur Solution.—Sellers reported that shipments were moving at a good pace for spraying purposes, which will gain momentum as the season progresses. Prices were unaltered.

Nicotine Sulphate.—A better inquiry was anticipated for this material as the season gets underway. Prices were held at previous levels. January exports totaled 19,359 pounds, valued at $12,560, of which 1,290 pounds went to Canada, 1,984 pounds to Mexico, 600 pounds to Cuba, 8,160 pounds to Japan, and 7,325 pounds to Australia.

Insecticides to Control Corn Borer Found

A practical way to control the European corn borer on early market sweet corn has been found after years of work by State and Federal entomologists. Recent tests by entomologists of the United States Department of Agriculture and the Connecticut Agricultural Experiment Station show that several compounds are effective and practical in saving sweet corn, particularly the early varieties that bring prices high enough to justify the extra expense of using the insecticides. Whether or not these insecticides can ever be recommended for borer control on canning corn and field corn depends on the results of tests now in progress.

The promising new borer insecticides are:—Nicotine tannate solutions and dusts, derris sprays, and phenothiazin spray. The nicotine tannate solutions have been found most dependable in the department's tests. Detailed directions for preparing and using the new insecticides may be obtained from the Bureau of Entomology and Plant Quarantine, Department of Agriculture, Washington, D. C.; from the Connecticut Agricultural Experiment Station, Storrs, and from county agricultural agents in the borer-infested States.

Steel Container Output Off

Production of steel barrels and drums of the heavy type for January amounted to 542,969 as compared with 638,988 in December, 1937, and 920,644 for January, 1937. Shipments for January totaled 542,278, compared to 644,287 in December and 919,290 in January, 1937. Stocks at the end of the month amounted to 31,330, with unfilled orders totaling 530,507, according to the Bureau of Mines. Production of light types in January totaled 156,664, against 176,795 in January last year. Shipments totaled 158,602, compared with 179,582 in January last year.

Dyestuffs, Textile and Leather Chemicals

Zinc Dust Reduced—Dextrin and Starch Remain Steady—Fustic and Logwood Firm—Bichromates in Moderate Demand —Egg Products Dull—Tanning Materials Quiet

Business in the market for dyestuffs and tanstuffs continued spotty during the week under review. Indications of improvement next month were reported for some manufacturing consumers. Some belated Spring activity was expected to develop. Textile production in major textile industries continued restricted, and expectations were that production would run well below last year and under normal. Reports were to the effect that stocks of cotton, wool goods and rayon were gradually increasing. Price movements were neglible, with zinc dust again supplying the only price feature.

Word from New England section was to the effect textile industry was operating around 50 to 55 percent of capacity, while the South was working at approximately 60 to 65 percent clip. Rayon loom activity was estimated at about 59 percent of capacity. A survey of the South by a responsible authority after a 2,700 mile trip brought the encouraging reports that the leather and woolen industry were showing definite signs of improvement, but cotton goods were still in the doldrums.

Zinc dust was reduced ¼c. per pound corresponding with the reduction in the basic metal last week. The American Zinc Institute, representing 95 percent of the domestic zinc industry, opposed the proposed tariff reduction contained in the trade treaty with England and Canada placing reductions in tariffs on imported zinc ore and zinc dust. Considerable concern was again voiced from the New England area on the reduction in tariffs on cotton goods and shoes from the United Kingdom contained in the contemplated trade treaties. Wool loans were said to be of little or no value to fabric market until a decision was made on the problem of duties on raw wool and fabrics now pending in connections with the proposed reciprocal trade treaty with the United Kingdom.

Dextrin and starch were steady, reflecting the firmness in the basic commodity. Corn still remains in a strong position, with reports from Mexico stating that the tariff on corn was removed for the year 1938 because of the scarcity in several sections. Secretary Wallace announced last week that the time limit on applications for corn loans, which were to have been in by March 31, had been extended indefinitely.

Dyestuffs outlook seemed slightly improved. Fustic and logwood continued firm. Improvements was forecast in some quarters by next month, especially from the South where improvement in leather and woolen goods was an encouraging factor. The bichromates were in moderate demand, with prices steady to firm. Egg products were quiet and unchanged. Offerings of domestic crystal egg albumen as low as 85c. per pound was reporteed in some circles. Raw tanning materials were quiet, and prices were unaltered. Sellers were looking forward to some activity by next month.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Zinc dust, ¼c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.5	154.5	154.5	152.9

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—The market presented little improvement in demand from the previous period. Usual consumers were ordering out supplies for immediate production requirements only. Prices were unaltered.

Antimony Salt.—This market offered little new from the quiet conditions prevalent for some weeks past. Despite the lethargy, sellers were maintaining previous price schedules.

Potash Bichromate.—Business was fair at times, with usual consumers adhering to a hand-to-mouth buying policy. Prices were in conformity with those prevailing in the preceding period.

Potash Prussiate.—A firm tone governed the dealings, with shipments moving out at a moderate pace to correspond with consumers' production schedules.

Soda Bichromate.—Sellers reported a fair call for this material at times during the week just closed. No change was uncovered in quotations. January exports of soda bichromate and chromate amounted to 302,186 pounds, valued at $18,528, of which 22,046 pounds went to Lithuania; 80,381 pounds to Norway; 44,800 pounds to the United Kingdom; 58,620 pounds to Canada; 30,835 pounds to Argentina; 13,916 pounds to Brazil; 5,317 pounds to Chile; 22,176 pounds to British India; 6,844 pounds to Turkey, and 16,280 pounds to Egypt.

Zinc Dust.—Prices were reduced fractionally again last week at 6¼c. to 6¾c. per pound, according to quality. This corresponds with the lower quotations for the basic metal. General demand continued quiet. The American Zinc Institute, representing 95 percent of the domestic zinc industry, opposed the proposed tariff reductions contained in the trade treaty with England and Canada. The new tariff proposals would place reductions in tariffs on imported zinc ore, oxides, slab zinc and zinc dust.

Dyestuffs

Annatto.—Little improvement was witnessed in this direction for the seed or paste materials. Consumers were coming in the market for small quantities to meet urgent requirements only. Prices were firm.

Archil.—Another dull week was experienced in this market. Sellers were adhering to quotations previously in force.

Cochineal.—Quiet characterized dealings again last week. Prices ruled unchanged. Cochineal production in the four islands of the Canary group, namely, Tenerife, La Palma, Gomera and Hierro, during the six months of the 1937 producing season, averaged 4,000 pounds per month or a total of 24,000, which was about the same as that of the 1935 season, but considerably above the output for 1936. Normally small direct shipments of cochineal are made from the Canary Islands to the United States. None, however, went forward directly in 1935 or 1936, according to the American vice consulate at Tenerife.

Fustic.—Demand continued spotty from usual consuming channels, but a steady to firm tone governed the dealings.

Indigo.—The call for the natural and synthetic products was fair last week. However, consumers were not inclined to order beyond their immediate requirements. Prices were well maintained.

Logwood.—Business was highly irregular. Sellers were quoting the same prices as heretofore. January exports aggregated 27,395 pounds, valued at $3,913, of which 13,579 pounds went to Guatemala; 3,429 pounds to Belgium; 599 pounds to Bolivia; 1,500 pounds to Venezuela; 3,584 pounds to Japan, and 4,704 pounds to Australia.

Sizing Materials

Egg Albumen.—Domestic production was well under way in several sections of the country, consequently supplies were expected to be further enhanced. Sellers were adhering to previous quotations. Demand continued moderate. The export situation continued unchanged with supplies at a low level, and prospects for betterment rather remote because of the Far East situation. The reported average number of hens and pullets of laying age on March 1 was 75.8 birds per farm flock, compared with 80.0 birds a year earlier and with a 10-year 1925-34, March 1, average of 84.7. The decrease in the number of layers per farm flock during February was 3.2 percent compared with a decrease of 3.0 percent last year and a 10-year average decrease for February of 2.9 per cent. A gain over last year in the average production of eggs per farm flock was about 8 percent in the West North Central and the South Atlantic States, but was slight elsewhere, and 2 percent less in the far Western States.

Dextrin.—Prices were holding steady at previous levels. The steadiness could be attributed to the firmness of the basic grain. Sellers reported business was moderate. Secretary Wallace urged farmers last week to store their corn to establish an ever-normal granary for this commodity and told them that the time limit on applications for corn loans, which were to have been in by March 31, had been extended indefinitely to advance this objective. Loans are made on the basis of 50 cents per bushel. So far the Commodity Credit Corporation has received word of loans aggregating $16,599,616 on 34,259,774 bushels.

Egg Yolk.—Quiet conditions continued the rule in this market. Domestic prices were unaltered from last week. Imported prices were strictly nominal. The government began buying eggs last week. Federal agents bought 6,000 dozen, grading "firsts" at New York at 18 cents per dozen and 3,090 dozen at 17¾c. Traders have been expecting government purchases to support the market. The week before the trade was informed the Surplus Commodity Corporation would begin buying eggs if prices did not rise.

Starch.—A steady tone ruled the dealings again last week. Prices continue unaltered. Demand was spotty at times. Visible supplies of corn for week ended March 12 were 38,314,000 bushels against 12,696,000 bushels a year ago.

Tanning Materials

Mangrove Bark.—Interest was lacking in this direction last week. Sellers were anticipating a better call within the next few weeks. Prices were held at previous levels.

Myrobalans.—Prices for the various myrobalans were the same as the previous week. No change in the moderate buying policy was evident throughout the week under review.

Sumac.—Quotations for the ground and leaf materials remain unchanged. Sellers were marking time for the present, with indications a pick-up will be experienced in the following month.

Valonia.—The call for the beards and cups was moderate again last week. Sellers were adhering to quotations previously published.

Wattle Bark.—Quiet continued to characterize dealings in this direction throughout the week just closed. Prices were steady to firm at previous levels.

Drugs Freights Renewed

The New York Public Service Commission has approved the current commodity freight rates as follows:—

Of the Railway Express Agency on drugs, dyes, leather and other articles as specified in the tariff 85c. to $1 per hundredweight between Amsterdam, Broadalbin, Fonda, Gloversville, Johnstown, Mayfield or Northville and Newburgh or New York. Effective until March 31, 1939.

N.Y. Textile Chemists To Hear About Moths

An address on "Protection of Wool Materials Against Moth Ravages" will be the feature of the next meeting of the New York section of the American Association of Textile Chemists and Colorists. The speaker will be E. A. Back, principal entomologist on insects affecting man and animals, in the Bureau of Entomology and Plant Quarantine of the United States Department of Agriculture. Mr. Back's address will be illustrated with lantern slides.

The meeting will be held in the Chemists' Club, this city, March 25 at 8:00 p.m. It will be preceded by a $1.50 informal dinner, served at 6:30 p.m. The usual registration fee of 25 cents will be collected in the meeting.

Carbon Dioxide Rules Approved by FTC

—*Continued from page* 3

Agreements and other unlawful schemes to fix or maintain prices, to enhance prices or to suppress competition.

Aiding or abetting in the use of unfair trade practices.

In the group II rules the industry approves arbitration of business disputes and the interchange of information on delinquent or slow returns of cylinders and on credits. It condemns repudiation of contracts because of changes in current prices; unreasonable returns of goods for credit; failure to differentiate between sales at wholesale and at retail; imposition of uneconomic or unjust terms of sale; use of substandard containers and unsafe converters or liquefiers. It recommends that the place and weight of deliveries of solid carbon dioxide be agreed on by buyer and seller at time of sale.

Eastman Kodak Profit In 1937 Set Record

The Eastman Kodak Company and its wholly owned subsidiaries reported for the year ended December 31, 1937, a net profit of $22,347,345, after deductions of $6,761,147 for depreciation, $444,247 provision for reduction of securities to market value, $5,155,158 for United States and foreign income taxes and $430,729 for surtax on undistributed earnings. The profit was equivalent to $9.76 each on 2,250,921 shares of no-par common stock after dividend requirements on the preferred stock. The net profit of $18,906,371 for 1936 was after $6,252,894 depreciation, $4,532,928 United States and foreign income taxes, $210,927 surtax and other charges. After dividend on the preferred stock, earnings a common share were $8.23.

The balance sheet on December 25, 1937, showed total current assets of $89,790,230, including $10,189,568 cash and $12,397,851 marketable securities, while total current liabilities were $24,197,120. On December 26, 1936, total current assets were $91,763,167, including $17,352,766 cash and $17,918,005 marketable securities, while current liabilities totaled $18,685,705. Inventories increased to $50,112,595 from $38,528,181.

F. N. Lovejoy, president, stated that the decline in general business in the last quarter of the year did not affect the 1937 operations of the company to any great extent. With the exception of a sharp decline in the sales of acetate products, sales volume has been well maintained during the closing months of 1937 and up to date in 1938. The current widespread interest in amateur photography, he said, has been an important factor in maintaining the position of the company during the present business recession.

Georgia State Pharmaceutical Association will hold its annual meeting in Augusta April 26-27.

Natural Products Refining Co.
910 Garfield Avenue,
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Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

George Heckel Honored at Dinner

—*Continued from page 5*

tin, president of the Sherwin-Williams Company. As they ate and otherwise enjoyed the occasion, the hosts complimented their "favorite uncle" with enthusiastic singing of "Uncle George Is Here Again" and other appropriately worded parodies.

At the conclusion of the dinner, Miss Anna Kaskas and Arthur Carron, members of the Metropolitan Opera Company, contributed a group of delightful vocal selections well fitted to the occasion. The master of ceremonies then loosed "Uncle George's nephews" upon him, prefacing each succeeding onslaught with happy reference and comment.

What "Uncle George" had done and is doing for the Federation of Paint and Varnish Production Clubs, of which he was an originator and has been secretary "ever since," was told appreciatively by E. V. Ladd, president of the organization, and K. J. Howe, one of Mr. Heckel's fellow-veterans in the service. S. C. Dunning, president of the New York Paint, Varnish and Lacquer Association, contributed praise for the guest on the theme of "Private Virtue and Public Good."

Then, to the accompaniment of a number of pictures more or less true to many ages and many aspects of "Uncle George's" life, thrown upon a screen, William Zinsser told "As I have known George B. Heckel," happily dwelling upon the subject's early bents, his catholicity of tastes and accomplishments, his hobbies, and his work along many furrows in many fields for the paint, varnish, and lacquer industry. Mr. Zinsser was followed by C. P. Morris, who contributed from his recollections of many years of acquaintance interesting data in a friendly biography of Mr. Heckel. Hon. Andrew L. Somers, representative in Congress, spoke eloquently of the services of "Uncle George" to the industry, drawing from the association of his father, the late Arthur Somers, with the birthday guest many intimate incidents of difficult undertakings successfully pursued.

'Honorary Degrees' Conferred

In convincing testimony of the hold that "Uncle George" has upon the hearts of his "nephews" was the conferring upon him of half a dozen or so "honorary degrees" by as many "learned doctors." These "savants"—"Doctor Blackgiac," "Doctor Eltonstein," "Doctor Everitti," "Doctor Gardnerski," "Doctor Rohbot," "Doctor Lemperwitch" and other men of similar fame—appropriately capped and gowned ceremoniously and sonorously addressed the guest as they made him a "doctor of arts," a "doctor of medicine," a "doctor of mineralogy," a "doctor of music," a "doctor of biology in botany," a "doctor of literature," a "doctor of photography," and a "doctor of what have you."

With each "degree," voluminously engrossed and decoratively beribboned, "Uncle George" was given also a memento emblematic of each profession—a "stage" rock, a mammoth "Heckel daisy," a Paul Bunyan flute, an ancient dictionary, a kit of medical tools, and so on. He was overcome with gratitude—or something —but responded nobly with "Yankee Doodle" on a fife.

Restoring the finer sublimity of the occasion, Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, recited "Some of the Achievements of George B. Heckel." Averring that to tell all that was worth telling would require a volume bigger than Mr. Heckel's Reminiscences and Comments on the Paint Industry, Mr. Trigg set at the top "Uncle George's" ability to make and to keep friends. Next came mention of Mr. Heckel's many publications, which, the speaker said, "blanketed the paint, varnish, and lacquer manufacturing field." Naming a dozen or so of the more prominent products of this prolific pen, Mr. Trigg went on to tell how wide has been the reading of the guest and to comment appreciatively upon the resulting high-mindedness and helpful philosophy that Mr. Heckel puts into his periodical, *Drugs, Oils and Paints.*

Honors Well-Earned

It was evident at the Heckel birthday celebration that everybody there recalled that Emerson had profoundly said:—"We do not count a man's years until he has nothing else to count." Nobody—not even himself—cared a hoot how old George Heckel was; all—except himself—were there to recognize, appreciate, and commend his services in behalf of the paint, varnish, and lacquer industry. Some mention there was of the length of these services; but that mattered far less than their breadth and quality. All were agreed in paraphrase of Holmes:—"Old Time is a liar! George's twenty tonight!"

George B. Heckel is a man of many parts—a philosopher, a poet, a worker. He has applied his talents to wide good for the industry with which he long ago cast his vocational lot. His accomplishments have enabled him to view even close-lying matters objectively; and he has so viewed them, with the result that his counsel has been of great value. Coupling with this his capacity for effective work, he has been a useful "paint man."

George B. Heckel was heartily honored by his friends when 200 of them gave him the birthday party. His friends meant it in all their manifestations of appreciation. He rightfully deserves it all.

Fields of Achievement

Mr. Heckel has been a great coordinator of opinion and policy in the industry, Mr. Trigg said, and he cited a number of instances, especially in connection with legislation. The speaker briefly recited Mr. Heckel's long and wide secretarial service in paint organizations beginning in 1903 with the Philadelphia paint club and comprising the Paint Grinders Association of the United States, the Paint Manufacturers Association of the United States, the educational bureau, the National Varnish Manufacturers Association, the American Paint and Varnish Manufacturers Association, and the Federation of Paint and Varnish Production Clubs. Mr. Heckel was made secretary emeritus of the American Paint and Varnish Manufacturers Association in 1930 and when that organization was merged in the National Paint, Varnish and Lacquer Association he was made secretary emeritus of the latter, a position which he still occupies.

Mr. Heckel's early life, his inheritance of an interest in the paint industry from his father's mineral paint enterprise, his broad elementary education, his interest in the art of painting in oils, and his discouraging apprenticeship in house painting—all these were recited by Mr. Trigg. These things were before 1881, when Mr. Heckel became a newspaper man in Chicago—also the "Cousin Violet" of a "Hints to Bashful Maidens" column. Mr. Trigg told of this, and of the nattiness of "Uncle George's" appearance and attire. Also was recited his embarking, fifty years ago, on the sea of selling in the varnish business.

Turning to the home life of the guest, Mr. Trigg told appreciatively of the part that Mrs. Heckel, in understanding and companionship, had played in her husband's career. He passed then to the close interest of Mr. Heckel in his sons' construction of collections of butterflies and wildflowers, and related the father's direct interest in mineralogy which has given him one of the largest amateur collections of specimens. Mr. Trigg closed with an appreciation of the versatility of interest and endeavor that has characterized Mr. Heckel's life as a whole, quoting in substantiation of its value an early poem by the latter—"O, You Practical Men!"

Horace L. Felton presented Mr. Heckel with a sheaf of telegraphic messages of congratulation and appreciation and a bound volume of letters in which "Uncle George's" friends had expressed their sentiments in connection with his notable anniversary.

Unique Fraternity Pin

The final cementing of the fraternal bonds between "Uncle George" and his many "nephews" was performed by E. V. Peters in the presentation to Mr. Heckel of a gold, diamond-set pin of the design of a wreath and a torch, emblematic of his place in the unique fraternity.

"Uncle George" was not without visible signs of the emotions with which he was deeply stirred when the time came for him to respond to the manifestations of his "nephews'" regards. He was humble, he said, because a retrospect of his life disclosed to him no service deserving of such tribute. But, he was proud in the knowledge that "I have evidently been able to sell myself to 'my public'."

The calendar has nothing to do with the influence of one's years, he declared—"It is all a question of how you take it"—and he quoted from Doctor Holmes on the possibility of octogenarians' being "twenty tonight." Growing old was but a bad habit, he said, and he adjured youngsters of fifty and more to "cut it out before it is too late." He had tried to do what he saw to be done, he explained, and he concluded:—

I once credited this industry of ours with having "lifted itself out of the mire by its own bootstraps." That is literally true. This industry needed no "New Deal" to set its feet on the "straight and narrow way." That was done at the time when most of our modern mentors were learning to walk and talk.

On a certain occasion our educational bureau met at the office of a government official, who later rose to high rank. At his request, I outlined for him the work of our educational bureau. He said in effect "that's all to the good, and if we could induce the rest to follow those lines our troubles would be over." I was officially reprimanded for publishing that statement, but—God bless his honest soul!—he said it and he was and is a truthful man.

Our industry is not yet perfect in word and deed and act, but, like Dr. Coue's patients, "every day, in every way, its growing better and better" and I cherish the hope that, on my hundred and sixtieth birthday, when I propose to meet you all once more; "everything will be for the best in this best of possible worlds."

Arrangements for the pleasurable celebration of "Uncle George" Heckel's eightieth birthday were made by a committee consisting of E. V. Peters, chairman; H. R. Hillman, treasurer; P. H. Callahan, C. J. Caspar, E. J. Cornish, H. S. Felton, H. P. Fritsch, W. P. Fuller, J. E. Hayes, J. B. Lord, G. A. Martin, S. R. Matlack, L. P. Moore, E. S. Phillips, H. W. Rice, W. Richter, H. J. Schnell, C. N. Seidlitz, F. L. Sulzberger, E. T. Trigg, and H. E. Webster.

Business Trends Surveyed by Dun's

Manufacturers' sales increased from $45,800,000,000 in 1935, 20 percent to $55,100,000,000 in 1936, and a further 13 percent to $62,400,000,000 in 1937, according to a preliminary report by Dun & Bradstreet, Inc., of its survey of trends in American business. Retail sales totaled $33,200,000,000 in 1935; increased to $38,300,000,000 in 1936; and reached $41,400,000,000 in 1937.

This report, based on records covering more than 10 percent of the dollar value of American business presents national estimates for sales, inventories and receivables covering the three years. The report is published in *Dun's Review*. It shows that, in spite of sub-standard declines in the last quarter of 1937, total sales for that year in all major divisions of business except construction were appreciably larger than in 1936, but the rate of increase was not so sharp as the gain in 1936 over 1935.

With respect to inventories, the total estimate for manufacturing, wholesaling and retailing at the end of 1935 is placed at $16,600,000,000. By the end of 1937, this total had increased to $21,700,000,000, with a somewhat greater advance in the second year than the first. The survey points out that the manufacturing industries, which account for about 60 percent of the total, not only recorded the largest dollar increases but the greatest percentage increases of inventory in each year.

Estimates for accounts receivable show an increase in all lines during 1936, but indicate reductions during 1937 for manufacturing and wholesaling, contrasted with an increase of 8 percent in retailers' accounts outstanding.

These estimates are based on the returns from the distribution of over 2,000,000 questionnaires. The preliminary estimates are based on the first 17,000 concerns reporting, supplemented by additional available published reports of corporations. The volume of business done by the concerns whose records were used totaled over $11,000,000,000 in 1935. A complete analysis, based on records for over 40,000 enterprises, will be published in the May *Dun's Review*. The present report presents detailed estimates for more than one hundred specific trades and industries.

"Uncle George" Heckel's "Nephews" Celebrating His Eightieth Birthday

Paint, Varnish, Lacquer Materials

Buying Continues Light—No Increases Reported for Second-Quarter Contracts—Shellac Lower—Naval Stores Producers To Get Government Loans

Manufacturers of surface coatings were operating very conservatively and were disposed to wait for indicators of what their own Spring sales would be like before stepping up manufacturing operations. Last week's movements of materials were no better than those of the past several weeks. Some of the materials' people are getting apprehensive over the quiet passing of week after week which are normally active. The chief source for hope in the market's current set-up is that inventories in all directions are very low, and there is a uniform belief around the market that if a buying movement starts it will expand quickly and may easily reach boom proportions because inventories are below the "deadline."

Evidence of buying for stock in an endeavor to "beat" the advance in rail freight rates that is scheduled to take effect March 28 has been widely scattered so far. The current week's trading, however, is likely to spurt in anticipation of next Monday's move.

White lead corroders were booking contracts for the second quarter of the year at the reduced prices established March 10. Color suppliers will continue their contracts through the second quarter without price increase after having passed the deadline for notifying the contract buyers of an increase on Tuesday. The car-lot price for standard grade carbon black f.o.b. Gulf ports will be increased slightly to cover the added rail freight cost from the producing points to Gulf ports which received I.C.C. approval two weeks ago. Delivered prices in the several delivery zones throughout the country were not changed by that freight rate increase.

Rosin and turpentine were extremely quiet in Southern and local markets early in the week, but there was an increase in buying interest later on following an announcement from Washington that the movement on the part of naval stores producers to secure financial aid from the government in production and marketing operations during the coming season had been successful. Prices were irregular.

Although business in the Western paint trade has been better than that in the East, the automobile manufacturers were still operating on skeleton schedules. National Used Car Exchange Week was called successful, with approximately 175,000 used cars sold as a result of the co-operative drive of the manufacturers and the way cleared for a substantial replacement by new cars on trade-in allowances.

The Dodge digest of February building operations in 37 Eastern states showed a decrease of 37 percent from last February, but 10 percent over January. The February estimate of building and engineering work done was $119,038,000. February's residential building was 10 percent better than February, 1937, and this gain represented the first break in a series of successive monthly declines which began last June. Supplementing earlier reports here to the effect that local banks were anxious to get some money out into mortgages this Spring, and seemed more disposed to co-operate under the new FHA set-up, the Dodge group hears that preliminary applications for mortgage insurance both on single dwellings and development projects for sale and for rent have increased greatly since the enactment of the new Housing Act amendments. This may be an indication of increased residential building contracts some weeks hence.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Gum, dammar, Batavia, A/E, D, ½c. per lb.
Red, cadmium, lithopone, 6c. per lb.
Rosin, gum, 10c. to 35c. per 280 lbs.
Turpentine, gum, 2¼c. per gal.
Shellac, bone dry, T.N., superfine, ½c. per lb.
Yellow, cadmium, lithopone, 6c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.4	**130.4**	**131.6**	**137.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Pig lead prices held through the week without change. Prices were 4.35c. per pound East St. Louis and 4.50c. to 4.55c. per pound New York. Business was mildly active and much of the metal sold during the week was for March delivery.

Zinc moved down further at the week's outset. Some of the sellers were reluctant to lower the 4½c. price established a week ago but the same factor that inaugurated the reduction in the preceding week opened last week's trading with ¼c. per pound reduction to the basis of 4¼c. per pound, East St. Louis. The reduction of a week ago caused a reduction in certain brass and bronze products. The American Zinc Institute report of sales for the week ended March 14 totaled 866 short tons against 2,258 tons in the preceding week; shipments were 3,058 tons against 3,594 tons in the preceding week; and the backlog was reduced from 37,600 tons to 35,430 tons. The Zinc Institute has filed statements with the Committee for Reciprocity Information requesting continuance of the existing import duties on zinc and protesting the proposed concessions in United States treaties that are being negotiated with Canada and the United Kingdom.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from March 12 to March 18, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0450@.0455	$0.0435	.. .. ..
Monday	.0450@.0455	.0435	15 12 6
Tuesday	.0450@.0455	.0435	16 10 0
Wednesday	.0450@.0455	.0435	16 2 6
Thursday	.0450@.0455	.0435	16 11 3
Friday	.0450@.0455	.0435	16 17 6

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from March 12 to March 18, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0485	$0.0450	.. .. ..
Monday	.0460	.0425	14 15 0
Tuesday	.0460	.0425	14 15 0
Wednesday	.0460	.0425	14 17 6
Thursday	.0460	.0425	14 15 0
Friday	.0460	.0425	14 17 6

Pigments

Opaque pigments spent a placid week following the price developments in white lead and leaded zinc oxides a week ago. Zinc metal prices were lowered again last week but the lead-free oxides did not respond to the movements of the prime western metal. Placid was also the description given to the state of trade in the pigments market last week. There was little material moved out against contracts and the sellers were apprehensive over the season's possibilities for if pigment grinding does not broaden over the next two or three weeks, the usual bulge in consumption may not take place. A Department of Commerce report from Paris stated that French import quotas on red lead, litharge, orange mineral and other oxides of lead have been suspended since February 26. French import duties on red lead and litharge were increased and duties on orange mineral and other oxides were reduced in January.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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PORT AUTHORITY COMMERCE BLDG. 76 NINTH AVENUE, NEW YORK, N.Y.
118 WEST OHIO ST. CHICAGO, ILL.

White Lead.—The reduction of ½c. per pound in dry white lead a week ago had no effect insofar as stimulation of buying was concerned. The demands from manufacturing consumers continued small. The new prices for basic sulphate and blue lead, in barrels, established March 10, were as follows:—Car lots delivered Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo., 6c. per pound and car lots delivered elsewhere, 5¾c. per pound. L.c.l. prices were ¼c. per pound additional. The schedule for basic carbonate in barrels was ½c. per pound higher than the aforementioned prices for lead sulphate and blue lead. Corroders were booking contracts for the second quarter of the year at these prices.

Red Lead.—Barrel prices for car lots and l.c.l. quantities have been unchanged since February 10. Prices for that packing reflected an even tone from the metal market. The reduction in keg prices for dry red lead and lead-in-oil which were effected March 10 did not alter the position of the oxide in barrels.

Litharge.—The position of this oxide was similar to that of red lead. The barrel prices have not been changed since February 10 and reflected the even position of the basic metal. As reported a week ago, keg prices were lowered ¼c. per pound March 10.

Lithopone. — Manufacturers with plants in the Eastern seaboard sector were not doing much business. The calls for deliveries against contracts have been few and the major portion of the orders received were for a few bags at a time. The Chicago plants were busier than those in the East. Prices continued unchanged. January exports totaled 393,919 pounds, of which 285,723 pounds went to Canada, according to the Department of Commerce.

Titanium Pigments.—Business continued light. Slow consuming operations are unique to these pigments for in the period prior to the current slump sales were continually mounting to new high records. Prices continued steady at the established schedule. January's exports totaled 492,361 pounds.

Zinc Oxide.—There were no further changes in price since the reduction of ¼c. per pound in the prices for 35 percent and 50 percent leaded oxides on March 10. As usual, the fall of values for prime Western zinc has not influenced other oxides. Eastern manufacturers were not doing much business with the paint, rubber and other consuming trades but the reports from the Middle West were a little more encouraging than formerly. January exports totaled 219,488 pounds, according to the Department of Commerce.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Fillers and Extenders

Car lot buyers of those materials sold on an f.o.b. mill basis have not shown much of a willingness to order materials in advance of the higher freights which will be effective March 28. Trade in inert pigments and extenders continued small and there has been no evidence of seasonal manufacturing consumption which should be in full swing now.

Silica.—Suppliers of amorphous and hard-quarts qualities have not altered their prices in some time. The demands from the several lines of consumption have been uniformly light.

Talc.—The selling prices of French talcs have not been affected by the latest tumble of franc values as they have been bought from abroad in dollars for some time back.

Whiting.—Suppliers of the precipitated form of calcium carbonate were still quoting $15 per ton in car lots, $20 per ton in 5-ton lots and $25 per ton in smaller quantities, all f.o.b. works.

Dry Colors

Effective April 1, the price of standard grade carbon black will be increased at the Gulf to cover the freight rate increase on rail hauls from the producing points to Gulf ports which was approved by the I.C.C. after protest hearings. The delivered prices for carload lots in the several delivery zones throughout the country are unchanged. Earth and chemical color contract prices for the second quarter of the year will continue without increase. Under the provisions of most contracts, buyers were to have been notified by Tuesday of last week if any increases were to be made on second quarter prices. Cadmium lithopones were reduced.

Cadmium Lithopones.—Red and yellow colors were reduced 6c. per pound last Tuesday. The new prices for reds in 400-pound barrels are as follows:—Light shade, 75c. per pound; medium light shade, 80c. per pound; medium shade, 85c. per pound; deep shade, 90c. per pound, and maroon shade, $1 per pound. All shades of yellow, including primrose, lemon, golden and orange are priced at 50c. per pound in barrels. Single shipments of 1 ton or more to one destination (reds or yellows separately, not combined) are 5c. per pound lower than the aforementioned prices. Prices for 100-pound keg packing are 5c. per pound additional.

Carbon Black.—The carload price f.o.b. Gulf ports will be increased 5c. per 100 pounds, April 1, to cover the increase in rail freight from the producing points to Gulf ports. The price at this point will be 2¾c. per pound against the present basis of 2.70c. per pound. The delivered prices in the several delivery zones throughout the country are not affected by this move. The Akron price remains at 3.3c. per pound.

Chrome Yellow.—The market continued quoted at 14½c. per pound on contract and 15½c. per pound on open order. While there have been reports of a competitive leaning toward the weak side, a canvass of representative producers indicated that they were not quoting below that basis. The cost of lead is ½c. cheaper than it was at the time 1938 contracts were written but that saving is not considered enough to warrant a reduction in the selling price of yellow.

Iron Blues.—There will be no increase in price for the second quarter of the year as the time for notification of any increase to buyers expired on Tuesday.

Iron Oxides.—Contract prices—where they were issued — will continue through the second quarter of the year without increase. Buyers would have been notified by last Tuesday if any increase was contemplated. Prices for hydrated yellow oxides on contract are not subject to quarterly adjustment and were written on a six-month basis this year.

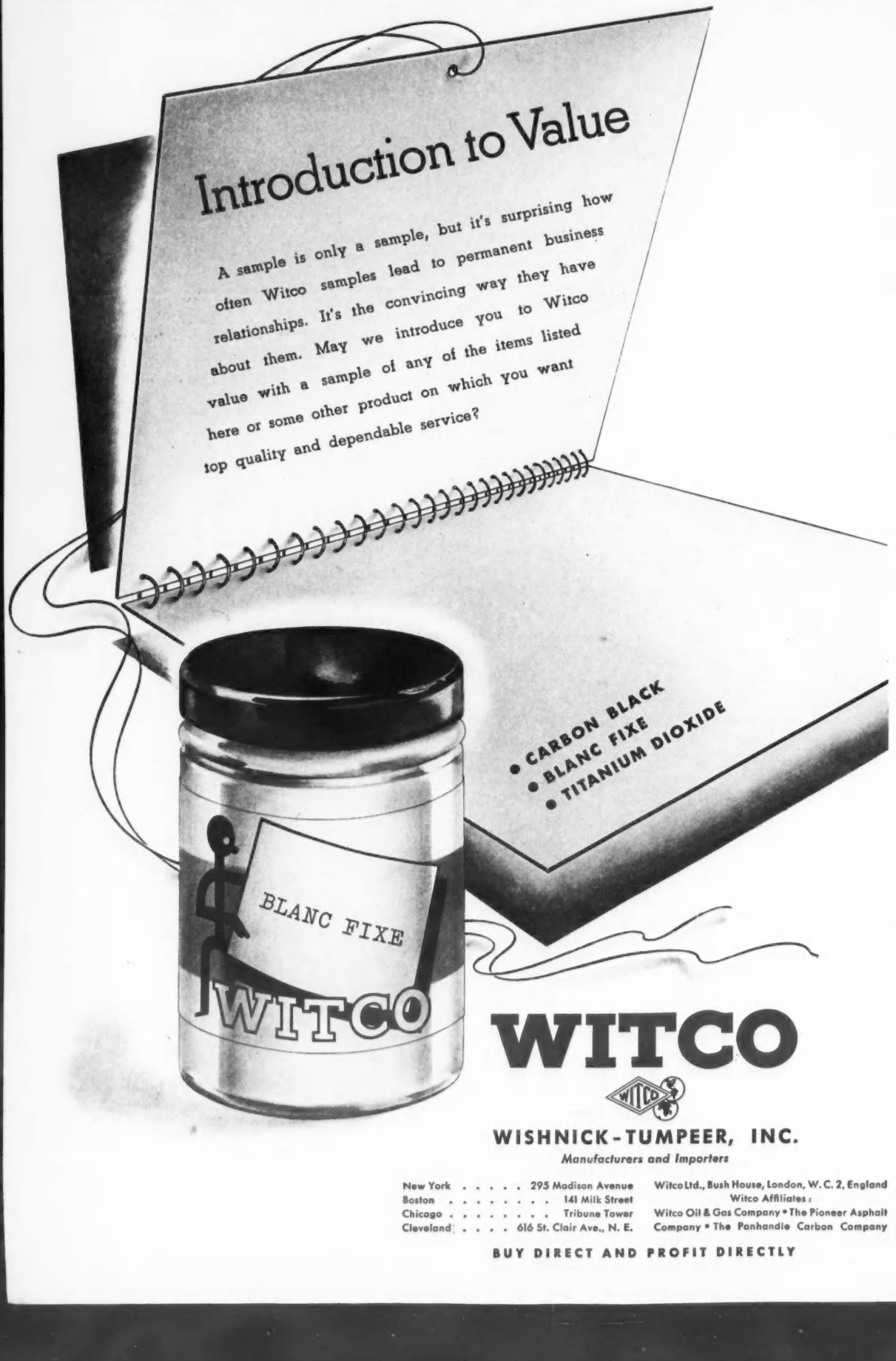
Ocher.—The latest break in the French franc has not influenced the position of the French oxides.

Varnish Gums

Batavia dammars continued to show weakness last week. Foreign shippers offered further concessions to move their goods and last week's cables from abroad placed the replacement cost of A/E and D gradings in this group at a lower figure than a week ago. Exchanges values of the currencies used in international gum trading did not move sufficiently to affect selling prices last week.

Copals.—Trade continued in light fashion and buyers were not wont to anticipate on their forward needs. Sellers efforts to book contracts were fruitless. The reductions in the Manila lobas a week ago were not extended last week.

Dammars. — Replacement market prices for Batavia A/E and D grading were lowered ½c. per pound each last week. Car lot prices for A/E were reduced to 16c. per pound while the price for D grading was lowered to 16⅜c. per pound. The deduction in the latter was the second in as many weeks. The aforementioned prices were for straight or mixed cars and were subject to the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Synthetic Resins

The rail freight rate increases that are scheduled to take effect March 28 may affect the position of current prices for ester gum although representative manufacturers said last week that they were unable to foretell what the effect might be if anything. The schedule of prices is on a delivered basis. Ester gum buyers were not very active during the period under review. January exports of synthetic gums and resins totaled $99,791 in value according to the Department of Commerce. Canada was the largest buyer taking $65,111 worth; United Kingdom was next in size with $19,260; and Austria third with $14,537.

Naval Stores

Quieter conditions prevailed in Southern and local markets for naval stores last week, the slowing down of business being attributed by some to a desire on the part of buyers and sellers to await further developments in connection with the movement to secure financial assistance from the government in production and marketing operations during the coming season. Although confidence in the successful outcome of the movement to secure a loan was still pronounced in all branches of the trade, there was a desire on the part of many to await a definite announcement of approval of the plan from an official source.

Not only was domestic trade on a much smaller scale than in the previous week, but there was also a marked falling off in export transactions. Clearances of rosin on old contracts for foreign destinations were also comparatively light. Underlying sentiment in local trade circles concerning the outlook, however, continued rather optimistic despite the prevailing quietness last week. It was contended that the slowing down of trade was merely temporary and due to a not unnatural desire to await definite action in connection with the loan program, the unexpected delay being attributed by some to the rather high price basis originally named in the plan.

Later in the week it was announced from Washington that the government had decided to make a loan of $7,000,000 through the Commodity Credit Corporation to finance the movement on the basis of 26c. per gallon for turpentine and $5.75 per 280 pounds of medium grade rosins. This announcement was followed by an increase in the volume of inquiries from domestic users of rosin and turpentine here and in Southern markets.

The movement of rosin from the woods was again larger than some had expected, this being regarded as due to the recent advance in prices. Offerings of both rosin and turpentine in the primary markets from day to day continued light and in the opinion of some not a little of the rosin received in Southern markets represented the forwarding of supplies previously sold.

Turpentine.—The local market was quiet much of the time last week but some increase in the inquiry was noted late in the period following an announcement from Washington that the government had decided to grant a loan to naval stores producers. Prices were irregular in company with Southern markets. Primary offerings were generally light although receipts were larger than expected.

SAVANNAH, Mar. 18.—The turpentine market had a firm undertone. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Barrels Receipts.	Barrels Shipments.	Barrels Stocks.
*Saturday	..	...	...	...	.....
Monday	29½	134	88	723	23,356
Tuesday	29½	73	1,032	135	23,315
Wednesday	29½	56	266	55	23,526
Thursday	25	...	74	...	23,540
Friday	26¼	90	86	2	23,624

* Market closed.

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JACKSONVILLE, Mar. 18.—Turpentine was more active. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Barrels Receipts.	Barrels Shipments.	Barrels Stocks.
*Saturday	..	...	...	...	.....
Monday	29½	132	187	154	6,384
Tuesday	29½	...	102	4	6,482
Wednesday	29½	...	71	...	6,553
Thursday	26	...	46	1	6,598
Friday	26	50	30	24	6,604

* Market closed.

PENSACOLA, Mar. 12.—Turpentine was quiet and steady. Following is a record of the market for the week:—

	Barrels Receipts.	Barrels Shipments.	Barrels Stocks.
Monday	35	325	24,562
Tuesday	11	406	24,167
Wednesday	34	122	24,079
Thursday	28	...	24,107
Friday	47	75	24,072
Saturday	29	298	23,810

CHICAGO, March 18.—There is a better tone in the turpentine market. Buying is reported to have picked up in the last few days to a considerable extent. Ruling prices at the close of business last night were:—Five-drum lots, 39c. per gallon; five wood barrels, 44c.; single drums, 42c.; single barrels, 47c.

LONDON, Mar. 18.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	32	6
Monday	33	6
Tuesday	34	0
Wednesday	34	0
Thursday	32	6
Friday	32	6

Stocks of American turpentine in London were:—

	March 18.	Previous week.	Last year.
Barrels	31,588	32,708	22,185

Rosin.—Local quotations showed irregularity last week in company with the course of prices in the South where changes were frequent. Business was quieter than in the previous week buyers being inclined to hold off for further developments. Receipts were larger than some had expected but offerings from in primary centers were generally light.

SAVANNAH, Mar. 18.—A firm undertone continued to prevail in the rosin market. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$4.10	$4.00	$3.80	$3.80	$3.80
D	...	4.10	4.05	3.90	4.00	4.00
E	...	4.10	4.10	4.00	4.10	4.10
F	...	5.15	5.00	4.90	4.90	4.90
G	...	5.15	5.05	4.90	5.05	5.10
H	...	5.15	5.05	4.90	5.05	5.10
I	...	5.15	5.05	4.90	5.05	5.10
K	...	5.15	5.10	4.90	5.05	5.10
M	...	5.15	5.10	4.90	5.10	5.15
N	...	5.45	5.30	5.25	5.50	5.50
WG	...	6.45	6.25	6.00	6.10	6.10
WW	...	6.70	6.50	6.50	6.50	6.50
X	...	6.70	6.50	6.50	6.50	6.50
Sales	...	350	73	291	...	147
Receipts	...	488	1,032	1,067	1,199	273
Shipments	...	2,141	1,537	10	563	310
Stocks	...	62,645	62,040	63,067	63,703	63,885

* Market closed.

JACKSONVILLE, Mar. 18.—The rosin market ruled firm. Offerings were light. Following is a record of the market for the week:—

	Price per unit—Low of range quoted *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$4.00	$4.00	$3.75	$3.80	$3.80
D	...	4.05	4.05	4.00	4.00	4.00
E	...	4.10	4.10	4.00	4.10	4.10
F	...	5.05	5.00	4.70	4.90	4.90
G	...	5.05	5.05	4.80	5.05	5.05
H	...	5.05	5.05	4.80	5.05	5.10
I	...	5.05	5.05	4.80	5.05	5.10
K	...	5.10	5.10	4.85	5.05	5.10
M	...	5.10	5.10	4.85	5.10	5.15
N	...	5.30	5.30	5.10	5.40	5.50
WG	...	6.25	6.25	6.00	6.10	6.10
WW	...	6.50	6.50	6.50	6.50	6.50
X	...	6.50	6.50	6.50	6.50	6.50
Sales	...	344	...	363	241	274
Receipts	...	804	862	393	427	1,769
Shipments	...	...	...	210	1,494	1,372
Stocks	...	52,307	53,169	53,352	52,283	52,612

* Market closed.

PENSACOLA, Mar. 12.—The rosin market was steady. Receipts were light. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	85	58	131	61	141	102
Shipments	...	...	245	350	1,520	2,060
Stocks	17,084	17,142	17,028	16,739	15,360	13,402

There is no rush to buy rosin, but purchases are reported fairly good. Buyers seem to be anticipating price advances. Ruling prices at the close of business last night were:—B grade, $7 per lot of 280 pounds; G grade, $8.05; M grade, $8.10; W.W. grade, $9.50.

LONDON, Mar. 18.—Quotations on American rosin were as follows:—

	Per cwt. in barrels Common. s.	d.	W.W. s.	d.
Saturday	14	9	19	3
Monday	14	3	18	6
Tuesday	14	9	19	0
Wednesday	14	9	19	0
Thursday	14	9	19	0
Friday	14	9	19	0

Pine Oil.—The market had a steady tone but aside from this the situation lacked new features of interest. There was a fair demand for moderate quantities from local and other consumers.

Pitch.—There was little change in the character of business, consumers being disposed to adhere to a conservative course in making purchases. The tone was steady.

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Rosin Oil.—Quotations were generally maintained at former levels, the tone of the market being steady. Consumers showed little disposition to purchase in advance of current needs.

Tar.—There was a fair movement into local and outside consuming channels and the market remained steady on the basis of previous quotations.

Shellac

Competition was keen in a market of comparatively limited demand, according to leading suppliers of shellac last week. Price shading was common and in a sense it required a firm order in hand to arrive at definite prices to be paid. Bleached shellac on spot was shaded to 16½c. to 17c. per pound, with corresponding concessions being made in other parts of the country. T.N. was 11c. to 11½c., and superfine was 11½c. to 12c. No change was made in quotations on shellac varnish. Notwithstanding the recent declines in the cost of bleached shellac and its solvents, the producers of varnish held to a steady schedule since the reduction in production cost has been insufficient to bring about a change. The foreign markets were generally easier and slightly lower. Of interest was the fact that quotations on London, usually in shillings, or shillings and six pence, were, at times last week, quoted in shillings and three pence, and shillings and nine pence.

Calcutta, Mar. 18.—Shellac quotations, on the landed New York basis, ex dock net cash, were as follows:—

	Per pound— March 18.	March 11.
March	10½c.	10¼c.

Day-to-day quotations were as follows:—

	Per pound.
March 11	10¼c.
March 12	10¼c.
March 14	10¼c.
March 15	10¼c.
March 16	10⅜c.
March 17	10⅜c.
March 18	10⅜c.

London, Mar. 18.—Prices quoted on pure T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	March 18— Shillings. Cwt.	Cents. lb.	March 11— Shillings. Cwt.	Cents. lb.
May	40½	8.3	41	8.9
August	41¾	9.0	42	9.1

Day-to-day closing prices were as follows:—

	Per hundredweight— May.	August.
March 11	41s ..	42s ..
March 12	41s ..	42s ..
March 14	40s 6d	41s 9d
March 15	40s 6d	41s 9d
March 16	40s 3d	41s 6d
March 17	40s 3d	41s 6d
March 18	40s 6d	41s 9d

Lacquer Materials

The outlook for lacquer materials was slightly improved last week. Despite the fact actual business was along conservative lines, commensurate with production schedules in most consuming lines, indications point to a broadening in demand in the near future. Prices were well maintained at previous levels. Interest was attached to the statement by the President last week asking congress to set up a joint committee to study the forest land problem with a view to taking "definite action" at the next session to check the "using up of our forest resources without replacement."

Acetone.—The market experienced a highly irregular demand throughout the week just ended. Prices were unchanged. January exports totaled 620,947 pounds, valued at $35,098, of which 124,600 pounds went to Belgium; 5,028 pounds to Finland; 77,335 pounds to the Netherlands; 53,900 pounds to Sweden; 81,000 pounds to the United Kingdom; 135,822 pounds to Canada; 89,600 pounds to Japan; 13,150 pounds to Australia, and 14,510 pounds to the Union of South Africa.

Butyl Acetate.—The call was fair at times throughout the week under review. Prices were in conformity with those prevailing the previous period. January exports totaled 323,628 pounds, valued at $36,352, of which 28,800 pounds went to Sweden; 74,100 pounds to the United Kingdom; 20,040 pounds to Canada; 15,160 pounds to Brazil; 32,760 pounds to Japan, and 110,680 pounds to Australia.

Cellulose Acetate.—Business continued along moderate lines last week. Consumers were ordering out for nearby requirements only. Prices were unaltered. January exports of cellulose acetate sheets rods or tubes amounted to 27,810 pounds, valued at $16,190, of which 26,987 pounds went to Canada; 493 pounds to the United Kingdom; 89 pounds to Germany; 46 pounds to Argentina, and 195 pounds to the Philippine Islands.

Isopropyl Acetate.—A firm tone governed the dealings and consumers were adhering to a policy of purchasing for immediate requirements only. Prices ruled unchanged.

Driers

While it was generally thought that prices for stearates and palmitates would continue without change for second quarter contracts, there was nothing definite about that belief, and manufacturers would likely be able to furnish a definite idea on their position for the second ninety-day period of the year this week. Withdrawals against current contracts have been very slow.

Glues and Binders

Casein.—There was no change in the price of the domestic product last week. Car lots of 20-30 mesh were offered at 8½c. to 9c. per pound, while the finer mesh product was 9c. to 9½c. per pound, all delivered. Trade was light in all directions. Casein shipments from Argentina during 1937 registered the lowest annual total since 1931, one reason for the reduced tonnage being a lack of rainfall in certain regions. Added to this, the foreign demand for Argentine casein decreased during the latter part of the year, with the result that stocks increased and prices slumped accordingly. The following table shows exports from Argentina for the past three years:—

	Metric tons— 1935.	1936.	*1937.
Germany	7,454	6,722	5,181
United Kingdom	2,770	5,271	3,515
Japan	980	1,335	2,071
United States	1,016	2,659	1,531
Finland	1,272	714	976
Netherlands	307	265	853
Sweden	536	586	677
Italy	71	80	361
Belgium	159	308	210
Mexico	67	38	118
Poland	113	147	100
Others	2,339	1,808	528
Totals	17,064	19,933	16,121

* Unofficial.

Local casein stocks increased considerably compared to the previous year, it being estimated that approximately 6,000 tons were on hand at the end of 1937. Stocks at the end of 1936 were given at 2,335 tons, according to the Department of Commerce report from Buenos Aires.

Trade News Briefs

Dr. F. A. Madenwald, formerly chief chemist for the Nu-Enamel Corporation, Cleveland, has resigned, to become technical director for the Garland Company, Cleveland, Dr. W. A. Golger has been made chief chemist for the Nu-Enamel Corporation.

Callahan Zinc-Lead Company has acquired control of placer gold property in Alaska. The acquisition involves control of Livingston Placers, Inc., a company owning options on property with gold reserves of an estimate gross value of $16,000,000.

Golden Gate Paint, Varnish and Lacquer Association has appointed a committee, consisting of Garry Goldberg, Fuller Brawner, Ed. Bacigalupi and Paul Wood, to boost for San Francisco for the National Paint, Varnish and Lacquer Association convention in 1939.

Baltimore Paint Salesmen's Club appointed a committee to arrange for a joint meeting with similar groups in Richmond, Va., and Washington, D. C. The joint meeting is planned for May. The committee is headed by P. D. Wachtel, of the Eagle-Picher Lead Company.

Sherwin-Williams Company, paint manufacturer, Cleveland, entertained thirty-five Baltimore dealers in the Southern hotel March 3. L. E. Stegner, manager of the Baltimore division, told the dealers about the plans for merchandising and distribution, along with the advertising program adopted for 1938.

Israel Silberman, president of the Paragon Paint & Varnish Corporation, Long Island City, N. Y., has accepted the chairmanship of the Long Island division of the American Committee Appeal for Jews in Poland. The committee will sponsor a dinner March 31 in the Hotel Pierre, this city, at $50 a plate.

Jamestown Wood Finishing Company manufacturer of paint, varnish and stains, Jamestown, N. Y., has filed a bankruptcy petition under section 77-B. The petition lists liabilities of $92,428 and assets of $243. R. H. Jones Company, varnish manufacturers, also of Jamestown, has filed a petition in bankruptcy listing $4,139 in liabilities and assets of $1,275.

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Perilla Cultivation To Be Promoted

OPD Washington Bureau

March 10, 1938

In an attempt to secure cooperation in experiments for growing perilla on a semicommercial scale, Francis Scofield, chemist for the National Paint, Varnish and Lacquer Association, will leave Washington next week on a motor trip through Southeastern and Gulf States to confer with a number of individuals and organizations which have expressed interest in the possibilities of developing a domestic perilla oil industry.

Small plots of perilla, a variety of Asiatic mint, have been grown in a number of States with varying success, and the experiment gives promise of developing a new cash crop for the Southern States and a domestic source of an important drying oil now imported in considerable quantities from Japan and Manchuria. The association has available a considerable supply of perillaseed for experimental planting, and a number of State experiment stations and chambers of commerce have expressed interest in cooperating with test planting.

Under the direction of Henry A. Gardner, director of its scientific section, the association for several years has been sending small quantities of perilla seed to anyone expressing an interest in growing the plant. It has been found that perilla will grow in a great many localities, but because it has a rather long growing season it is best adapted to regions where frost comes late. Very little is yet known as to the type of soil and the amount of moisture necessary to make a good crop, but experiments have indicated that varieties adaptable to the South produce a good yield of high-quality oil.

The plant is an annual and may be planted with an ordinary graindrill, but since it grows to a height of from 4 to 6 feet it may be difficult to harvest with ordinary machinery. The seeds are very small, about the size of mustard seeds, and when fully ripe have a tendency to scatter, which may cause problems in harvesting and threshing. No serious diseases of the plant have been reported, but it is subject to insect damage, although animals refuse to eat it. It is believed that the presscake will make a satisfactory stockfood.

The association is also attempting to secure experimental plantings of chia, a plant related to perilla and growing native in Mexico. The seeds of this plant produce an oil very similar to perilla oil, but it is not produced commercially at the present time. On his trip Mr. Scofield will confer with officials of the North Carolina and Georgia State experiment stations, the Henry Ford farm near Savannah, Ga., the Chamber of Commerce of Carroll, Ga., several tungtree growers in Alabama and Mississippi, the Louisiana State University, and the Chamber of Commerce of Beaumont, Texas. All of these have indicated that they may sponsor plantings of considerable size during the coming season.

Paint Up Campaign In Washington Planned

Washington, March 15, 1938

Organized plans are under way for the Clean Up and Paint Up Campaign drive to be started April 15. The *Washington Star*, in a recent issue, carried the following announcement:—

The board of directors of the Junior Board of Commerce decided at a meeting March 8, to sponsor a Clean Up Campaign in Washington from April 15 to May 1 in cooperation with the annual drive proclaimed by the district commissioners.

The board said it has been promised the cooperation of the Federal Housing Administration and the local painters' union, which is sponsoring a Paint Up Campaign for eight weeks, beginning April 15.

A poster contest will be conducted in the high schools of Washington as part of the drive against unsightly conditions in the streets, alleys, parks and around homes. This phase will get under way within the next week and prizes will be offered for the winning posters.

The National Clean Up and Paint Up Campaign Bureau is cooperating with the local sponsors of the campaign.

C.D.I.C. Production Club Discusses Zinc Pigments

The Cincinnati - Dayton - Indianapolis and Columbus Paint and Varnish Production Club will have as its guests at a meeting April 11 the Indianapolis Paint, Varnish and Lacquer Association. The meeting will be held in Indianapolis. The speakers will be Dr. Alex Schwarcman and E. H. Valence, both of Spencer, Kellogg & Sons. Their subject will be "Drying Oils."

H. A. Nelson, research director for the New Jersey Zinc Company, discussed mining and manufacturing of zinc pigments at the meeting of the club March 14 in the Gibson hotel, Cincinnati. Mr. Nelson illustrated his talk with films, showing operations of the company's main mine at Franklin, N. J., and at its plant in Kalmerton, Pa. F. J. Haniewich, of the Columbus Varnish Company, Columbus, Ohio, was elected to membership.

Welcke on Vacation

W. A. R. Welcke, vice-president and treasurer of Fritzsche Brothers, essential oils and aromatic chemicals, this city, sailed March 18 on the steamship Santa Paula bound for the West Indies and ports of call in northern South America. He is accompanied by Mrs. Welcke and expects to return April 5.

Trade Briefs

John J. Watson, of International Agricultural Corporation, this city, has returned from his Winter quarters in Georgia.

Alfred Myers, a former chemical manufacturer in Germany, has rented a seven-room apartment in 219 West Eighty-first street, this city.

Dunkel bill (S. 657), to regulate the sale of hazardous drugs at wholesale, has been passed by the New York senate and sent to the assembly.

F. A. Leonhardt, president of Fritzsche Brothers, essential oils and aromatics, this city, has returned from three weeks' vacation at Miami Beach, Fla.

N. Jacobson & Co., exporter of fertilizers and chemicals, Hamburg, Germany, has established an office at 268 Heerengracht, Amsterdam, for the handling of its foreign business.

Gasoline used in taxicabs would be exempted from the emergency and additional emergency State taxes by the provisions of the McCall bill (S.I.1805) pending in the New York legislature.

Mexican Oil Wage Case Further Stay Denied

Mexico City, Mar. 16, 1938

The Federal Board of Conciliation and Arbitration stated that the seventeen American and British oils companies could be considered "in rebellion" against the Mexican government because of their failure to comply with the board's award of increased wages amounting to approximately $7,000,000 to 18,000 oil workers.

Judge Manuel Bartlett, sitting in the Federal district court, vacated March 12 the temporary injunction that he granted to the oil companies March 8, basing his decision on "the general interest of the nation demands that the supreme court's sentence be carried out.

The original award was made December 18, which increased the pay of workers by more than 30 percent over the 1936 levels. The award, the oil companies say, would cost more than $12,000,000 yearly, and which would compel them, the companies insist, to quit Mexico. Reports are that conferences are being held daily in an effort to seek a solution to the apparent deadlock.

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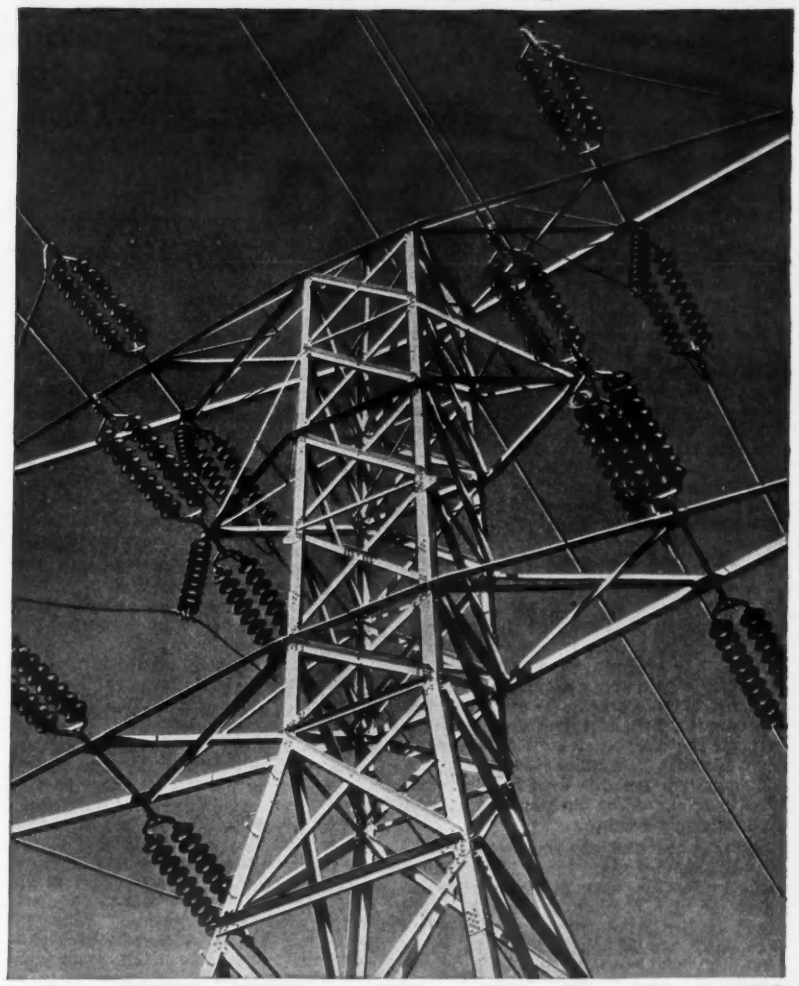

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ZINC SULPHIDE-MAGNESIUM PIGMENT

British Tariff Bargain Rouses Opposition

—Continued from page 3

Powdered Tungsten

C. G. Roser, representing the Electro Metallurgical Company, New York, asked that no reduction be made in the present duty on tungsten metal powder, which, under the 1930 tariff act, is 60 cents per pound and 50 percent ad valorem. He said that prior to 1928 the domestic industry had completely disappeared; that since that time it has been reestablished on a limited basis, and that the present duty is necessary if it is to continue to grow.

Stearic Acid

Appearing for the National Stearic Acid Association, George H. Rasch strenuously opposed any reduction on the duty on stearic acid imports. He said that to lower the tariff would injure the American livestock farmer, since the raw materials used in making stearic acid come from that source. Mr. Rasch also said that imports of British stearic acid are not competitive, particularly, with American produce, but that by lowering the tariff great competition would come from the Netherlands and possibly Germany. A proposal by one of the information committee as to whether a lower duty limit on higher-grade stearic acid and maintenance of high tariff on the cheaper grades, wherein competition was greatest to the American product, met with the approval of Mr. Rasch as a possible solution.

Soda Alginate

W. R. Kieley, of the Kelco Company, New York, asked that the present rate of duty on sodium alginate of soda be maintained. He cited an instance of a "threat" by a British-controlled firm, soliciting American business, to cut under the American price.

Pharmaceuticals

M. M. Sterling, of the pharmaceutical group of the National Council of American Importers and Traders, New York, asked that the rate on pharmaceuticals be lowered to at least 15 percent ad valorem. He said that imported pharmaceuticals were not able to compete with domestic products under the old Fordney and Underwood tariffs, when the rate was 15 percent, and still would not be in competition, but that reduction to that level would be beneficial, since there is great price resistance in the pharmaceutical field.

Cresols and Cresylic Acid

A reduction in the tariff on cresol and cresylic acid was requested by Alexander R. M. Boyle, of the Lehn & Fink Products Corporation, Brooklyn. Basing his request on three grounds, Mr. Boyle told the committee that the present duty is grossly in excess of the necessary tariff to protect American industry; the classification of fine cresylic acid is really in conflict with the wishes of Congress; and his firm has had difficulty in obtaining its requirements in the domestic market.

George A. Geiger, representing Givaudan-Delawanna, Inc., New York, asked that the duty on metacresol be kept at the present status. He said that if the duty were increased, his company would be obliged to cease manufacture, leaving a british company as the only commercial manufacturer of the chemical in the world.

Precipitated Iron Oxides

Asking the committee to maintain present tariff levels on precipitated iron oxides, Dr. Peter Fireman, of the Magnetic Pigment Company, New York, said it was necessary in order to protect a new American industry. Canadian importations threaten the life of the American industry unless the tariff is maintained at its present level, according to Dr. Fireman. Dr. Fireman also made it clear that he did not care about the duty on natural oxide or oxide synthetically produced by another process.

Soda Hydrosulphite

A group of three representatives of the hydrosulphite of soda industry asked the committee to maintain the tariffs on that chemical. E. E. Yake, of the Royce Chemical Company, Carlton Hill, N. J., said that the cost of raw materials in this country was 50 percent greater than in England, and that the 35 percent ad valorem tax is necessary to compensate partially for that fact.

Stanton C. Kelton, of the Rohm & Haas Company, Philadelphia, traced the price reduction in powdered hydrosulphite of soda from $1.85 per pound in 1919 to 16 cents per pound at present. He said this was due to improvements in manufacturing. The effect of lowering the tariff, according to Mr. Kelton, would be to increase competition without increasing consumption. Mr. Kelton said that he believed there was no possibility of an increase in its use unless industry, especially the textile industry, showed a general increase. However, he felt that there was a possibility of a decrease in the use of hydrosulphite in favor of some new chemical which might be developed for use in vat dyeing.

B. B. Fernald, of the U. S. Oil Company, also asked that the duty be maintained at its present level. Mr. Fernald explained that his company had only recently installed the machinery for producing sodium hydrosulphite of soda and a lowering of the tariff, with consequent foreign competition, would mean a total loss of investment—his company knew nothing of the pending negotiations when it installed the machinery.

Flavoring Extracts

John S. Hall, representing the Flavoring Extract Manufacturers' Association of the United States, the National Association of Manufacturers of Fruit and Flavoring Syrups, and the National Manufacturers of Soda Waters and Flavors, opposed any reduction in the tariff on flavoring extracts. Mr. Hall said that the present rate of 25 percent ad valorem was fair and equitable because of the raw material and labor differentials. A lowering of the tariff would have a widespread unfavorable effect on the American producers growing raw material for the flavoring extract industry and also the domestic manufacturer.

Wallpaper

Representing the Wallpaper Institute, New York, W. L. Carver and G. F. Mellen told the committee that the present tariff rate on wallpapers should not be lowered under any circumstances. If any change in the tariff was made, Mr. Carver and Mr. Mellen said that there should be an upward revision and not a lowering of the tariff.

Samuel Gillespie, of the United Wallpaper Craftsmen and Workers, Chicago, also advocated a higher tariff on wallpaper, since he declared the trend is toward heavy increases in wallpaper imports. He emphasized the fact that foreign wage rates, generally, were more than 50 percent lower than the American wage standard. Rudolph Heinl, from the same organization, said that the main concern was to protect the present employment level, which was being threatened by increased foreign imports.

Ethylcellulose

Royal T. McKenna, representing the Dow Chemical Company, Midland, Mich., urged the committee not to consider any reduction in the present tariff on ethylcellulose. He showed that there had been an increase in average hourly wages paid in the industry from 62 cents in 1935 to 84 cents in 1937, that the price of the manufactured cellulose had decreased in the same period; and that raw material costs had increased during the same period. This was made possible, he said only by technical improvements resulting from widespread research.

If the strides in technical improvement are continued, with the consequent necessity for more expenditure on research work, the industry must be protected, Mr. McKenna said. As an example of the research work being conducted by the industry, Mr. McKenna pointed out the experiments which were being made on the lower-grade cotton linters, from which cellulose is obtained, in order to remove the oil and dirt, making possible the production of good quality cellulose from these low-grade linters.

Upon questioning, Mr. McKenna said that Japan was the most feared competitor of the American cellulose products industry and was a real threat to continued forward strides by the industry unless some guaranty of tariff protection could be got by favorable action on his request not to lower the present tariff on ethylcellulose.

Sago Flour

As a represenative of the cornstarch industry, R. E. Clizbe, of the Corn Industries Research Foundation, New York, asked the committee not to reduce the present tariff on sago flour. Mr. Clizbe said that sago flour, made from the sago palm, was very inexpensive to produce, and that very cheap labor was used in its production. He pointed out that the corn products industries use 75,000,000 bushels of corn annually, which is one-half of all the corn on the terminal market, and one-third of all the corn grown in the United States. A $12,000,000 annual payroll is maintained by the industry and an investment of $150,000,000 is in the cornstarch industry. Over 800,000,000 pounds of cornstarch is manufactured annually in the United States.

The cost of sago flour on the New York market is only 60 percent of the price of cornstarch; 85 percent of the sago flour imports come from the United Kingdom, chiefly from Singapore and British Malaya, Mr. Clizbe told the committee. Of this amount, Mr. Clizbe estimated, 95 percent is of non-British origin, in the main reshipped from points of Dutch origin. Since Great Britain requires a tariff on imports of cornstarch and also requires a statement of the actual point of origin, Mr. Clizbe said that he thought some similar measure should be adopted by this country in regard to shipments of sago flour, as the situation is rapidly becoming a very great depressant to the business life of the cornstarch industry.

Leather

Merrill A. Watson, executive vice-president of the Tanners' Council of America, and V. C. Lumbard, chairman of its Washington committee, made a vigorous plea for the maintenance of present duties on leathers entering the United States as well as for certain necessary and equitable reductions in British tariffs. They declared that the present rates of duty on imported leather are already relatively low and that their maintenance is essential in view of the higher costs of the domestic industry and its consequently adverse competitive position.

Largely as a result of preferential British duties in imperial agreements, it was testified, exports of leather from the United States to Britain have declined sharply, while imports of leather from the United Kingdom have increased. Citing data on preferential British duties, the witnesses declared that reciprocity could be served only by leaving United States duties at their present level and insisting on more equitable treatment from the United Kingdom.

Zinc

The American Zinc Institute, representing 95 percent of the United States zinc industry, has filed statements with the committee, requesting the continuance of existing duties on zinc and pointing out the probability of enforced shutdowns in mining and smelting if these duties were reduced. Present rates were declared to be no barrier to foreign trade. The bad effects, were pointed out of extension of lower rates to Mexican ores produced at a low labor cost.

With particular respect to zinc oxide and zinc dust, the institute emphasized the fact that these by-products represent more than 20 percent of the mine production of recoverable zinc in the United States; consequently, any reduction in duties on these zinc products, it said, would be just as serious a blow to the zinc industry as a reduction in the duties on ore and metal.

Toronto Production Club Names McNair Vice-Pres.

M. A. McNair was appointed vice-president of the Toronto Paint and Varnish Production Club at the March meeting, held in the Hart house, with fifty-three members and guests in attendance. F. B. Brookmire will serve as program chairman. These vacancies were created by the resignation of R. I. Kellam. The executive committee voted to devote a meeting to the printing ink industry.

E. V. Ladd, president of the National Federation of Paint and Varnish Production Clubs, addressed the meeting, outlining the policies of the federation. Anthony Skitt, of the American Gum Importers' Association, sketched the history of the laboratories of the association, telling how the development work had been handled by au outside laboratory during 1932-3 and of the promotion in 1937 of an independent laboratory under the leadership of Dr. Mantell. Mr. Skitt then distributed booklets, in which interesting data was compiled, including solubility charts.

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The Paper Industry is fast becoming an important source of raw materials for users of Fatty Acids. Industrial Chemical Sales is a pioneer refiner of these products and from its plants at Covington, Va., and Charleston, S. C., can offer large quantities of the following:

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Excellent as a blend with red oil for textile soaps and can be used with red oil for most other applications required of red oil, including cutting oils, drawing compounds, soluble oils, pine scrubs, etc.

A blend of refined fatty acids, with the following specifications:

AVERAGE QUALITY OF INDUSOIL

Specific Gravity 60°/60° F.	0.96-0.98
Pour Point	47° F.-52° F.
Viscosity (Saybolt) @ 100° F.	700-900 Sec.
@ 210° F.	70-80 Sec.
Flash Point	350-380° F.
Fire Point	410-430° F.

Sediment	None
Moisture	Practically None
Ash	Practically None
Completely Soluble in	Petroleum Ether
Acid No.	150-170
Saponification Value	150-170
Color (Rosin Scale)	G-I
Fatty Acid	43-47%
Rosin Acids	38-42%
Sterols	13-17%

LIQRO

A blend of crude pine fatty acids, with the following specifications:

Acid No.	150 to 160
Rosin Acids	40 to 50%
Fatty Acids	35 to 45%
Sterols	15 to 20%

This material is available in large quantities both from our Covington, Va., mill and our new mill at Charleston, S. C.

Indicated uses are for asphalt emulsions, cutting oils, low priced soaps, and many other applications where a low price fat is a requirement.

Present prices on contract F.O.B. Charleston, S. C.
Tank Cars.....$35.00 per ton Carloads, in drums $45.00 per ton
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Oils, Fats, and Waxes

Tallow and Greases Again Decline—Cottonseed Oil Consumption Heavy in February — Capric Acid Easier — Chinawood Oil Continues to Weaken — Business Remains Quiet

The trend of quotations on miscellaneous oils, fats and greases was again downward last week, supplies of various vegetable and animal products being available at further concessions. Stocks of not a few domestic and imported commodities in the hands of sellers appeared to be rather light, but the dominant factor, for the time being, was the attitude of consumers, many of whom were still disposed to hold aloof or limit their takings to small lots to fill current needs. According to the monthly cottonseed report from the Census Bureau, consumption of refined oil in February was large, amounting to 428,531 barrels. This made the total consumption for the first seven months of the season 2,787,307 barrels against only 1,846,622 barrels in the corresponding period last season.

Chinawood oil continued to be a weak feature, transactions being reported at a further decline. Oiticica oil was easier with chinawood. Rapeseed oil weakened, smallness of supplies being more than offset by lack of demand. Myristic acid was firmer while quotations on capric, palm and perilla oil fatty acids were shaded. Tallow was easier, sales being reported at a further decline. Quotations on greases were also reduced. Cash lard was irregular in company with futures in the West where fluctuations in prices were frequent. Marketing of hogs continued on a comparatively small scale. Producers of animal oils made no changes in prices. Refined fish oils remained firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Candelilla wax, 1c. per lb.
Cottonseed oil, edible, ¼c. per lb.
Myristic acid, ¼c. per lb.

Reduced

Babassu oil, ¼c. per lb.
Capric acid, 1c. per lb.
Carnauba wax, No. 2, N.C., ½c. per lb.
refined, 1½c. per lb.
No. 1 yellow, 1½c. per lb.
No. 2 yellow, 1½c. per lb.
Chinawood oil, 1c. per lb.
Coconut oil fatty acid, ¼c. per lb.
Copra, ⅛c. per lb.
Cottonseed oil, British, ⅛c. per lb.
Grease, ½c. to ¼c. per lb.
Linseed meal, $1 per ton.
Linseed oil fatty acid, ¼c. per lb.
Oiticica oil, ½c. per lb.
Olive oil, denatured, 5c. per gal.
Peanut oil, crude, ¼c. per lb.
Perilla oil fatty acid, 1c. per lb.
Rapeseed oil, denatured, 2c. per gal.
Stearin, ½c. per lb.
Tallow, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
118.6	120.1	120.2	156.3

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu. — Nominal conditions continued to prevail in the absence of any increase in supplies of kernels or oil. Tankcars were quoted at 6⅝c., but producers were not in a position to offer for early delivery.

SAN FRANCISCO, March 15.—Babassu oil remains quiet. Quoted at 6¼c. to 6⅜c. per pound in tankcars, f.o.b. mill, Pacific Coast, for March-May shipment.

Chinawood. — The trend of prices continued downward in local and Pacific Coast markets. Locally supplies appeared to be light but competition among sellers was keener in the absence of any change in the attitude of consumers, many of whom were still disposed to hold off for further developments abroad as well as in domestic markets for other commodities. Offerings were noted here at 12c. per pound on spot in tankcars and some business was reported to have been closed at that figure. There were reports of offerings for March-April shipment from Hongkong in drums at about the same prices as prevailed for tank oil on spot.

Coconut.—Quotations on crude oil were unchanged and the general situation remained about as noted in the previous week. Copra was easy, quotations on the Coast again being shaded. Business in crude oil remained slow. Occasional shipments were reported on contracts but few new orders were received. Refined oil was also quiet and steady.

SAN FRANCISCO, March 15.—Coconut oil quiet and steady. Sellers quoting on the basis of 3⅜c. per pound in tankcars, f.o.b. Pacific coast ports, and or mills, for delivery in nearby or forward positions, with a tendency towards firmness for later deliveries. For the most part crushers on the Pacific coast are not at this juncture interesting themselves in the copra market. Buyers here have ideas in the neighborhood of 2.05c. per pound, and there is somewhat of a deadlock in the situation, neither side making any effort to do business.

Cottonseed.—Edible oil was firmer, prices being advanced ⅛c. per pound by refiners. Trade was fairly active. Brazilian semi-refined oil was quoted at 4.85c. per pound for shipment, c.i.f. New York, plus the duty; British semi-refined, 5c.

SAN FRANCISCO, March 15.—Japanese semi-refined cottonseed oil is quoted at 8c. per pound in tankcars, f.o.b. San Francisco, duty paid, for early shipment out of the Orient.

Oiticica.—Weakness in chinawood oil was reflected in oiticica oil, quotations being shaded ¼c. to ½c. per pound. Offerings were light on spot and for shipment. There was a fair inquiry.

Palm.—A somewhat better inquiry was noted but actual transactions were apparently limited to unimportant quantities, consumers being disinclined to provide for future needs. Offerings were light and the market was steady, previous quotations being repeated for spot and shipment.

Peanut.—Crude was quiet and quotations were shaded ¼c., the figures being mainly nominal. Offerings continued to be reported as light in all sections. One estimate of the supply of peanuts available put it at 20 percent under the last year at this time. A market for trading in shelled peanuts for future delivery was opened on the New York Produce Exchange on Tuesday, with cottonseed oil and peanut oil interests showing considerable interest. Transactions on the opening day were 14 contracts of 30,000 pounds each.

Trading in shelled peanut futures on the New York Produce Exchange from March 15 to March 18, inclusive, comprised 35 contracts, a total of 1,050,000 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
May	6.36	6.25	6.20@6.25
June	6.41	6.41	6.34@6.39
July	6.47	6.40	6.35@6.41
September	6.50	6.50	6.27@6.35
October	6.08	6.08	5.84@5.94
December	6.00	5.93	5.87@5.93

Rapeseed.—Demand was slow and the market had an easier tone, spot oil being available at 88c. per gallon in drums though higher prices continued to be named in some quarters.

Soybean.—There was a fair movement into consuming channels on contracts but new business continued quiet. The market was steady. Soybeans again weakened at Chicago early in the week but later on the tone appeared to be steadier. Receipts were light.

Markets at Other Centers

Chicago, Mar. 18.—A slight trend toward easier tone is noted in some of the representative grades of material in the general vegetable oil market. Buyers are taking out material to cover their immediate requirements, but beyond this seem to be leaving the market alone.

COCONUT.—Coast basis, March-forward, 3⅜c. to 3½c. per pound. Refined, edible oil, 9½c. to 10c. per pound, barrels, car lots; and 10c. to 10½c., barrels, less than car lots.

CORN.—Crude, low acid, 7½c. to 7¾c. per pound, partly nominal. Refined, edible oil, 10c. to 10¼c. per pound, car lots; and 10¼c. to 10½c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 14½c. per pond, prompt.

PEANUT.—Crude, south, 7¼c. per pound.

SOYBEAN.—Crude, mills, 6¼c. to 6½c. per pound.

The market for soybeans on the Chicago Board of Trade was fairly active at times though there was little snap to the dealings, traders and cash interests in some cases still being disinclined to add materially to their commitments pending further developments in wheat, corn and other cereals. Prices declined to a new low point for the current movement early in the week but the undertone appeared to be steadier later on. After the recent sharp decline in price offerings were light. Marketing also continued to show a shrinkage as a result of the comparatively low prices prevailing. Receipts at Chicago during the week ended March 12 were 43,000 bushels against 72,000 bushels in the same week last year. Total primary arrivals were 57,000 bushels against 76,000 bushels last year. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing Mar. 18.	Closing Mar. 11.
Cash, No. 3..	$0.96½	$0.96½	....	$0.96½
May	.98⅛	.97⅛	1.00 bid	.98
July	.96½	.95½	.98 bid	.96⅝
October	.93¾	.92½	.93¾	.93¼

London, Mar. 10.—Soybean oil, British, crude, 23c. 6d. per hundredweight, palm kernel oil, refined, 27s.; rapeseed oil, crude extracted, 34s. 6d.; coconut oil, Ceylon, 21s. 3d.; peanut oil, Bombay crude, 23s. 6d.; sadine oil, 16s.; whale oil, crude, 15s.

Linseed Oil

Flaxseed quotations were irregular within moderate limits. Linseed oil and cake unchanged. Meal lower.

Flaxseed—DULUTH, Mar. 18.—For the first time in weeks interest developed enough in the flax market to induce buying. Crushers got into the market briefly and picked up some supplies, but there was not much flurry as a result. It is expected that there will be more buying from now until the opening of navigation than there has been. The Winter has been very dull throughout.

The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$2.00	$2.00	$2.00
Monday	1.98½	1.98½	1.99
Tuesday	1.99	1.99	1.99
Wednesday	1.99½	1.99½	1.99½
Thursday	1.99½	1.99½	1.99
Friday	1.99½	1.99½	1.99½

Crop movement in bushels follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	1,405	....	....	907
Since Aug. 1...	696,987	1,023,566	1,126,028	676,135

MINNEAPOLIS, March 18.—There was a very moderate flow of flaxseed to the local

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *{distilled}*
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{saponified}
CANARY BRAND
{very pale yellow, especially suitable for best types of dry cleaners' soaps.}

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Since 1837 Manufacturers of Saponified and Distilled
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Palm Oil
Specialty
Glycerine - Pitch - White Oleine
FACTORIES: Dover, Ohio - Los Angeles, Calif. - Toronto, Canada
CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
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market during the past week and offers were taken up by elevator companies and crushers. Prices were firm compared with futures and there was better average quality because more of the flax originated in northern territory. As prices declined the southern movement slowed down.

Crushers were better buyers during the past few days and in cases paid a little more money compared with futures. One car sold for movement to Duluth from a diversion point. With the opening of navigation close at hand, this buying will probably improve. Holders at the head of the lakes will probably want some northern seed for mixing.

Shipments for the week exceeded receipts by a good margin because of the movement of supplies to an out-of-town mill. Local elevator stocks held about even as a few cars went directly to crushing plants and not to storage for May delivery.

Buying of seed flax still is very light, but those interested are looking around a little more freely. Government seed loans will be available at an earlied date this year, according to newspaper reports. Soil conditions are more favorable than last year over a wider area and seed stock at interior points are light. So far seed houses have not had much inquiry from the country but expect to do more business than during several years past.

The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$2.08	$2.04	$1.95
Monday	2.05½	2.01½	1.98½
Tuesday	2.06½	2.02½	1.99
Wednesday	2.07	2.03	2.00
Thursday	2.07	2.03	2.00
Friday	2.07½	2.03½	2.00

Crop movement in bushels as follows:—

	Receipts— 1938.	1937.	Shipments— 1938.	1937.
This week	12,400	255,420	13,140	....
Since Sept. 1	3,340,790	2,799,570	678,510	391,510

WINNIPEG, Mar. 18.—The market for flaxseed futures was quiet. The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.64¼	$1.66	$1.67
Monday	1.64	1.65¼	1.64¼
Tuesday	1.62¾	1.64¾	1.65
Wednesday	1.63	1.65	1.66⅝
Thursday	1.63	1.65	1.66⅝
Friday	1.65½	1.66½	1.68

BUENOS AIRES, Mar. 18.—Opening prices per bushel on April contracts were:—

	Last week.	Last year.
Saturday	$1.31½	$1.23¾
Monday	1.31½	1.23¼
Tuesday	1.28⅞	1.25⅞
Wednesday	1.28⅝	1.26⅜
Thursday	1.29⅝	1.28¼
Friday	1.29⅜	*..

* Holiday.

Exports

To—	Bushels— Last week.	Previous week.	Last year.
United States	193,000	.....	622,000
United Kingdom	.....	47,000	.....
Continent	594,000	831,000	350,000
Orders	55,000	669,000	449,000
Others	*46,000	59,000	232,000
Totals	1,248,000	1,606,000	1,653,000

* Includes 217,00 bushels to Canada; 177,000 to Australia.

Since January 1

To—	Bushels— This year.	Last year.
United States	3,710,000	8,779,000
United Kingdom	562,000	413,000
Continent	7,523,000	5,201,000
Orders	4,075,000	7,740,000
Others	536,000	566,000
Totals	16,406,000	22,699,000

Visible Supply

	Bushels.
Last week	7,480,000
Previous week	7,087,000
Last year	7,087,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom	96,000	.....	260,000
Continent	.....	.....	40,000
Others	.....	.....	32,000
Totals	96,000	.....	332,000

Since April 1—	Bushels— This year.	Last year.
United Kingdom	7,217,000	9,000,000
Continent	340,000	1,052,000
Others	1,144,000	724,000
Totals	8,701,000	10,776,000

HULL, Mar. 18.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
Saturday	£12⅜	£14
Monday	12½	14
Tuesday	12¼	13⅞
Wednesday	12¼	13⅞
Thursday	12¼	13⅞
Friday	12¼	13⅞

Linseed Oil.—The market remained very quiet so far as new business was concerned but changes in flaxseed quotations were generally confined within moderate limits and linseed oil selling schedules were maintained at former levels by crushers. Withdrawals on contracts were somewhat larger and a further expansion in the movement into consuming channels on unfilled contracts is expected with the advance of the Spring season.

Cash flaxseed was more active in the Northwest, crushers showing more disposition to purchase as a result of an improvement in the quality of the arrivals. Receipts at primary points were light and the country movement continued small.

Reports concerning prospects for the next flaxseed crop were generally favorable aside from predictions of widespread insect damage during the coming season. The condition of the soil was said to have undergone further improvement, however, as a result of additional moisture, and the situation in this respect is said to be considerably better than at this time last season.

Crop reports from India were favorable. The acreage under pure seed this season is officially estimated at 3,112,000 acres, or 233,000 acres more than last season and 482,000 acres larger than two years ago.

Receipts of flaxseed at New York last week were 705,528 bushels.

There was no trading in linseed oil futures on the New York Produce Exchange from March 12 to March 18, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	8.75 nom.
July	...	...	8.75 nom.

MINNEAPOLIS, Mar. 18.—Small lot business in linseed oil is picking up slightly because of the approach of Spring.

Shipping instructions on old and maturing orders were fair for a few days but dropped off again. Volume still is light but slightly better than the average for several weeks passed. Operations are proceeding at about 10 percent of capacity.

Quotations on carload lots, f.o.b. Minneapolis, tankcar lots, 9.5c. per pound; cooperage car lots, 10.1c. per pound; warehouse lots, 10.5c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week	819,181	1,973,080
Since Sept. 1	29,112,494	34,797,075

SAN FRANCISCO, Mar. 15.—Linseed oil sellers announced no change in their schedule of prices and from a nominal standpoint the situation remains the same as reported the previous week. There are no bids of any importance. Manufacturers are taking out material against previous contracts and only in scattered cases are picking up spot cars. There is no forward buying. Quoted:—Tankcars, 9.7c. per pound; drum lots, ex mill, 10.3c.; drum lots, ex warehouse, 10.7c.

CHICAGO, Mar. 18.—The linseed oil market appears to just about marking time, following recent price mark-downs. Buyers still are somewhat reserved. Ruling prices are:—Tankcar, 9.5c. per pound; car lots, 10.1c.; less than car lots, 10.5c.

LONDON, Mar. 18.—Quotations on linseed oil were:—

	Per cwt.— s.	d.
Saturday	26	10½
Monday	26	10½
Tuesday	26	6
Wednesday	26	9
Thursday	26	9
Friday	26	9

Cake and Meal.—Quiet conditions continued to prevail and the market had an easier undertone. Cake prices were unchanged but quotations on meal were reduced $1 per ton. Purchasing was generally limited to comparatively small quantities.

MINNEAPOLIS, March 18.—Demand for meal is improving slightly because of the light stocks in the hands of consumers and distributors. Offerings are very light as crushing operations and output just about match out movement. There is no inquiry for deferred shipment at the moment and no plans on increasing production during the immediate future.

Quotations on car-load lots, f.o.b. Minneapolis, 100 pound sacks, $41.00 to $41.50 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week	894,395	2,829,078
Since Sept. 1	96,470,105	60,081,698

CHICAGO, March 18.—A fair amount of linseed meal material is reported moving for this time of year. Resellers have been offering a fair amount of material. Ruling prices are:—Round lots, $42 per ton, largely nominal; car lots, $42 to $42.50; less than car lots, $44.50 to $45.

Cottonseed Oil

Refined oil futures were irregular, changes in prices generally being moderate. Southern markets for crude oil and other cottonseed products were steady or firm.

Cottonseed Oil.—Refined oil futures

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Cottonseed Crushings Increase

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out, and held, August 1 to February 28, 1938, and 1937, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed and Held

	Tons— Received at mills* Aug. 1 to Feb. 28. 1938.	1937.	Crushed Aug. 1 to Feb. 28. 1938.	1937.	On hand at mills February 28. 1938.	1937.
United States	6,074,357	4,336,053	4,956,484	3,784,821	1,159,767	573,158
Alabama	382,781	325,313	337,454	297,303	45,608	28,927
Arkansas	601,229	458,992	472,424	369,677	148,689	69,941
California	278,635	172,370	151,554	119,224	132,549	54,254
Georgia	537,504	449,533	478,971	407,445	60,861	43,965
Louisiana	259,820	222,188	242,037	208,216	17,987	15,646
Mississippi	940,591	809,918	680,788	607,644	268,088	204,310
North Carolina	272,598	218,114	246,859	207,301	26,150	11,503
Oklahoma	273,714	82,680	254,424	81,815	19,792	1,920
South Carolina	250,764	207,776	233,843	198,661	17,571	10,300
Tennessee	418,501	351,089	337,605	286,036	81,309	65,864
Texas	1,595,674	896,278	1,364,851	864,740	253,695	41,414
All other states	262,546	161,602	175,674	136,759	87,468	25,114

* Includes seed destroyed at mills but not 42,394 tons and 21,926 tons on hand August 1, nor 113,954 tons and 62,887 tons reshipped for 1938 and 1937, respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand August 1.	Produced Aug. 1 to Feb. 28.	Shipped out Aug. 1 to Feb. 28.	On hand Feb. 28.
Crude oil, pounds—				
1937-1938	*11,141,266	1,511,874,381	1,436,436,811	*203,784,117
1936-1937	19,191,508	1,133,999,396	1,103,402,950	139,296,226
Refined oil, pounds—				
1937-1938	†441,052,343	‡1,190,015,387	.....	†516,039,279
1936-1937	318,873,305	956,722,946	.....	532,946,600
Cake and meal, tons—				
1937-1938	41,952	2,208,285	1,998,860	251,377
1936-1937	65,053	1,691,878	1,558,158	198,773
Hulls, tons—				
1937-1938	43,422	1,267,087	1,163,839	146,670
1936-1937	23,893	964,399	838,638	149,654
Linters, running bales—				
1937-1938	61,547	1,130,688	678,874	513,361
1936-1937	43,819	928,133	767,007	204,945
Hull fiber, 500-lb. bales—				
1937-1938	1,828	48,408	19,215	31,021
1936-1937	88	35,822	32,778	3,132
Grabbots, motes, etc., 500-lb. bales—				
1937-1938	7,379	60,340	22,415	45,304
1936-1937	2,991	42,095	31,681	13,405

* Includes 4,272,188 and 82,055,169 pounds held by refining and manufacturing establishments, and 4,369,480 and 43,791,780 pounds in transit to refiners and consumers August 1, 1937, and February 28, 1938, respectively.

† Includes 13,349,453 and 9,804,926 pounds held by refiners, brokers, agents, and warehousemen at places other than refineries and manufacturing establishments, and 7,957,878 and 7,551,983 pounds in transit to manufacturers of lard substitute, oleomargarine, soap, etc., August 1, 1937, and February 28, 1938, respectively.

‡ Produced from 1,297,478,957 pounds of crude oil.

Exports and Imports for Six Months Ended Jan. 31

	1938.	1937.
Exports—		
Oil, crude, pounds	2,183,792	82,490
Oil, refined, pounds	4,030,264	901,030
Cake and meal, tons of 2,000 pounds	69,693	3,502
Linters, running bales	153,819	129,594
Imports—		
Oil, crude, pounds	*4,094	4,205,332
Oil, refined, pounds	*20,949,328	42,762,546
Cake and meal, tons of 2,000 pounds	3,443	13,775
Linters, bales of 500 pounds	7,309	22,719

* Amounts for February not included above are 825 pounds refined "entered directly for consumption," 2,049,343 refined, "withdrawn from warehouse for consumption," and 20,480 refined, "entered directly into warehouse."

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SARDINE OIL
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TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

showed irregularity last week, changes in prices being frequent. Speculative operations were on a smaller scale than recently, however, and changes in quotations were generally within moderate limits, the range between the high and the low point of the week on the more active months being about 15 to 20 points. While some of the developments of the week were of a bullish character, they were largely offset by the disturbing nature of the political events abroad and by the trend of domestic markets for securities. These things not only had a tendency to create bearish sentiment but they also made believers in higher prices for cottonseed oil disposed for the time being to hold aloof from the market.

A development of not a little interest was the publication of the monthly cottonseed report from the Census Bureau. This showed that the consumption of refined oil during February was considerably larger than many in the trade had expected, the indicated disappearance for the month being 428,531 barrels against 369,149 barrels in the previous month and only 176,636 barrels in the same month last year. The February figures brought the consumption for the first seven months of the current season up to 2,787,307 barrels against 1,846,622 barrels in the same time last season. The visible supply showed a decrease during February of 156,600 barrels against 53,200 barrels in the same month last year. The total visible at the close of February was 2,591,000 barrels against 2,053,500 barrels a year ago and 1,773,900 barrels two years ago.

Receipts of seed at the mills during the period from August 1 last to February 28 were 6,074,357 tons against 4,336,053 tons in the same time last season; crushed, 4,956,484 tons against 3,784,821 tons. Production of crude oil during the first seven months of the current season was 1,511,874,381 pounds against 1,133,999,396 pounds in the same time last season; refined oil, 1,190,015,387 pounds against 956,722,943 pounds. Stocks of seed at the mills at the close of February were 1,159,767 tons against 573,158 tons at the same time last season; crude oil, 203,784,117 pounds against 139,296,226 pounds; refined oil, 516,039,279 pounds against 532,946,600 pounds last year.

Southern markets for crude oil were generally steady or firm. Offerings continued to be reported as light. Many of the mills were said to be sold well ahead. Mills in some sections were reported to have about finished crushing for the season and were closed down or preparing to do so. Some products which compete with cottonseed oil were easier but others were steady or firm with offerings generally light. The trend of lard was upward at times, influenced by light receipts of hogs and strength in hog markets.

Arrivals of hogs in the principal western centers for four days of the week aggregated 158,300 head against 203,798 head in the same time last year. The weight of the hogs received in Chicago during the week ended March 12 averaged 253 pounds against 251 pounds in the previous week and 246 pounds the week before that. Stocks of lard in Chicago increased 3,136,460 pounds during the first half of March against an increase of 5,003,134 pounds in the same time last year. Stocks there March 14 were 59,433,482 pounds against 112,369,558 pounds last year. Exports of lard from Atlantic and Gulf ports from November 1 last to March 12 were 68,588,377 pounds, or 28,373,076 pounds more than in the same time last season.

Commission houses and local traders sold on upturns. There was some selling attributed to Wall Street and Chicago interests. Hedge selling was also reported though there was no important pressure from this source. Setbacks in prices were followed by purchases by commission houses on resting orders and by shorts. Refiners were also credited with purchases on weak spots.

Trading in bleachable prime summer yellow cottonseed oil futures on the New York Produce Exchange from March 12 to March 18, inclusive, comprised 682 contracts, a total of 40,920,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
March	8.50	8.71	.....
May	8.36	8.17	8.20@8.22
July	8.35	8.19	8.19 sale
September	8.37	8.23	8.23 sale
October	8.34	8.22	8.22@8.29

Crude, Southeast, 7.00c. Nom.

Chicago, Mar. 18.—The cottonseed oil market has been holding its own, without much difficulty, lately. Purchases of material have been fairly substantial in the aggregate, although the bulk of the business continues to represent no large forward-needs buying. Good, off-Summer, yellow fig oil is 8⅝c. per pound. Refined, edible oil is 9¾c. to 10c., barrels, less than car lots; and 10c. to 10¼c., barrels, less than car lots.

Hull, Mar. 18.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	21	6	18	6
Monday	21	6	18	6
Tuesday	21	6	18	6
Wednesday	21	6	18	6
Thursday	21	6	18	6
Friday	21	6	18	6

Cake and Meal.—Southern markets were reported as quiet so far as new business was concerned with the tone generally steady or firm. According to official statistics, production during the first seven months of the season was 2,208,281 tons against 1,691,878 tons in the same time last season. Stocks at the mills at the close of February were 251,377 tons against 193,773 tons last year.

Markets at Other Centers

Atlanta, Mar. 16.—Cottonseed products are steady. The vote of cotton farmers, March 15, subscribing to the terms of the crop allotment law of congress and confusion that still exists among farmers as to exactly how many acres they can plant to cotton, have retarded preparations for planting including the purchase of fertilizers. Weather conditions have also contributed to delay.

The demand for meal for fertilizers has met with a shortage in the Southeast so that prices are strengthened in this section of the belt.

Quotations of this market are as follows:—

OIL.—7¼c. to 7½c. per pound.

MEAL.—Seven percent grade $23.50 per ton, interior mills.

HULLS.—Loose, $8 per ton.

Memphis, Mar. 18.—Crude cottonseed oil remains steady. No selling pressure. Buyers bidding 7c. Few scattered tanks available at 7⅛c., Valley basis. Most mills seem sold well ahead. Small mills now closing down for the season. Cottonseed oil more active and market steady at $22.25 per ton for prime 41 percent, Memphis basis. Slab cake $19.50 per ton, Valley basis. Meal market appears to have an upward trend and will probably work higher should demand continue to improve. Farm work still backward. Complaints continue over the poor grade seed available for planting throughout this entire section.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	March 11.	March 17.
March	$20.55@21.20	$22.00@22.25
May	21.00@——	21.80@22.10
July	21.20@21.65	22.25@22.35
August	21.75@22.00	22.70@23.00

Animal Oils

Lard.—Quotations were stationary and the tone of the market appeared to be steady. There was a fair inquiry for small or moderate quantities to fill the current requirements of consumers.

Neatsfoot.—There was no broadening of trade, consumers being inclined to adhere to a conservative course in making purchases. The market was steady, prices being unchanged.

Oleo.—Business continued along comparatively narrow lines, few consumers being inclined to anticipate. The tone remained steady.

Markets at Other Centers

Chicago, Mar. 18.—The animal oil business is reported to be following a pattern of strictly moderate volume of business, with transactions mostly in small quanti-

—*Continued on page 62*

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Elastoil Fish Scale Sketches

For Waterproof and Weatherproof Coatings

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PERILLA OIL
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WALNUT OIL
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Bismuth Subnitrate USP Light Powder
Iodine USP Resublimed
Lead Acetate USP and Technical, Crystal and Powder
Lead Acetate C.P. Basic Dry Powder
Magnesium Carbonate USP Light Powder
Magnesium Oxide USP Extra Light Powder
Methyl Salicylate
Potassium Bitartrate USP Powder (Cream of Tartar)
Potassium Bromide USP Crystal, Granular or Powder
Potassium Hydroxide USP Sticks and Pellets
Potassium Iodide USP Crystal, Granular or Powder
Silver Nitrate USP Crystal
Sodium Bromide USP Granular or Powder
Sodium Hydroxide USP Sticks and Pellets (Caustic Soda)
Sodium Potassium Tartrate USP Crystal or Powder
Sodium Salicylate USP

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MANUFACTURERS OF
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Drugs, Fine Chemicals

Advance in Tartaric Acid Prices Not Reflected in Quotations on Derived Products—Codliver Oil Lower—Santonin Reduced—Methyl Acetone Cheaper at Refinery

Leading manufacturers of drugs and fine chemicals reported business still to be depressed and substantially smaller than it should be at this season of the year. The recession in demand has been attributed to inventories of many manufacturing consumers being rather larger than known needs required. Hence, such consumers have been aloof from the market and continued to be aloof during the past week.

Prices on tartaric acid were advanced on March 16. This rise more than wiped out the decline that took place some weeks ago, at which time it was said that the strength of raw material pointed toward probable recovery in acid prices. The advance last week was not accompanied by any change in the schedule on cream of tartar, Rochelle salt, or Seidlitz mixture.

Stormy weather continued to hold back codliver oil output in Norway. However, in anticipation of lower prices on new crop material, local sellers reduced quotations on spot goods. Santonin was lower, the decline coming at a time when it would most favor manufacturing consumers.

Quicksilver remained very weak because of competition, but prices declined no further. Mercurials were in identical position. Strychnine appeared to be steadier following the recent drop in prices. Values have been also declining in Europe. Bismuth salts were quiet and cheap. So were iodides.

The situation in methyl acetone attracted attention when one of the prominent producers quoted prices on a delivered basis. This led others, quoting f.o.b. refinery, to reduce their quotations by 2c. per pound.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Acid, tartaric, 1c. per lb.

Reduced

Codliver oil, $1 per bbl.
Methyl acetone, 2c. per gal.
Santonin, $2 per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
180.1	**180.2**	**180.8**	**181.4**

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Movement was well up to that in the past month and on the whole the market was one of very firm undertone and satisfactory prospects for the future. Prices were well maintained.

Acid, Acetylsalicylic.—Although routine in kind, the demand was nevertheless steady for quantities possibly somewhat smaller than the normal movement at this time of the year. Quotations were steady, reflecting a similar situation so far as raw material cost was concerned.

Acid, Tartaric.—Domestic producers advanced quotations 1c. per pound. In quantities of 10,000 pounds one delivery, the price in barrels was 25¼c. per pound. Smaller lots stood at 25¾c. The quotation in 100-pound kegs was 26¼c. This movement was in line with the raw material situation, reported as comparatively strong for some time past. Contracts were not being entered; only prompt shipments were offered. The quotations were f.o.b. New York and shipment from Chicago warehouses was made at the usual ½c. per pound advance over the above figure.

Agar.—Business was comparatively light. The leading consumers seemed to be well stocked. The smaller ones were in the market usually for jobbing quantities. Prices were quiet but virtually steady.

Alcohol.—The new and lower price schedule that went into effect during the previous week constituted a basis for trading to June 30. Establishment of a definite schedule for the second quarter of the year encouraged manufacturing consumers to cover their forward needs and the result was more activity in the market as a whole. The undertone of the market was firm at the end of the week and more stability was expected to prevail.

Aloin.—A market of substantially firm undertones was full reflection of the comparatively strong position held by raw material here and in the primary markets. Also, there was a fair support of consuming demand for the manufactured product, being added strength in the situation.

Bismuth Metal and Salts.—Prices on salts were not profitable but they continued to prevail as the result of substantial competition, and irrespective of the fact that prices paid for metal have remained well stabilized at levels set when quotations on sales were substantially higher than today.

Borax.—Shipments were said to be holding up very well at a volume somewhat less than it had been during the extremely active period a year ago. Prices were fully steady and there was no approaching unsettlement in sight.

Castor Oil.—Little change was noted. The market continued to be but moderately active and without signs of an early expansion in demand from manufacturing consumers. Quotations remained steady and seemed likely so to continue.

CHICAGO, Mar. 17.—Castor oil is in moderately good demand. Inquiries are reported fair. Ruling prices are:—No. 1, barrels, car lots, 10⅛c. per pound; less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; less than car lots, 10⅜c.; tanks, 9⅜c.; No. 3, barrels, car lots, 9⅝c.; less than car lots, 10⅜c.; returnable drums, car lots, 9⅜c.; less than car lots, 10⅛c.; tanks, 9⅞c.

Chloroform.—A well-stabilized market remained constant and without signs of early development. Demand was moderate but very steady for quantities that cared well fo slightly more than the immediate needs of technical users.

Cocoa Butter.—Business was slack. Stocks in the hands of manufacturing consumers were well ahead of their immediate needs, and hence most transactions last week were within jobbing size.

Codliver Oil.—Storms continued to hold back new production in Norway. However, the fishing season is young and the at present not favorable returns can quickly be supplanted by an expansion of output made possible by favorable weather. Spot prices were lower at $26 to $27 per barrel. Reports from St. John's, Newfoundland, indicated that the cod catch was small in 1937, resulting in a production of oil the smallest in years. Definite figures were not provided. There was no carryover oil at the end of 1937.

Cream of Tartar.—Although quotations on tartaric acid were advanced 1c. per pound last week, makers of cream of tartar failed to make any revision in the schedule on that item. The market was declared to be distinctly firm, based on the prevailing cost of production.

Epsom Salt.—Trading was steady. While quantities required were no larger than they had been for some time past, a few suppliers indicated that there had been a gain in the number of calls reaching the spot. Quotations remained fully steady.

Formaldehyde.—The stability of raw material cost has held prices on this item at least very steady. However, an added element in the well maintained quotations was the fact that consumption was being sustained at comparatively satisfactory levels, all things considered.

Glycerin.—The firmer market ruling crude glycerin continued to act to the full support of prices on chemically pure and dynamite grades. Also, a very fair consuming outlet existed for the refined product, although the situation in that was not expansive. Of some interest was a report that Japanese holders of surplus stocks might try to sell them on this market. In that respect,

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Industrial and Pharmaceutical Chemicals

ALKALOIDS:
ARECOLINE
ATROPINE
EMETRINE
EPHEDRINE
PILOCARPINE
SCOPOLAMINE
THEOPHYLLINE

SPECIALTIES:
CHOLESTEROL
CHOLIC ACIDS AND SALTS
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Guaiacol • Guaiacol Carbonate
Potassium Guaiacol Sulfonate
• Benzoate of Soda • Benzoic Acid
Benzyl Chloride • Benzaldehyde • Bromides
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the following tabulation giving Japanese production from 1930 to 1935, inclusive, may be of interest:—

	Kilos.
1935	8,535,183
1934	6,920,829
1933	6,280,941
1932	6,312,118
1931	3,875,193
1930	4,963,019

CHICAGO, Mar. 17.—Business in the market for c.p. glycerin has been quiet, and on the whole, moderately active. Representative sellers have been reporting orders recently as being in good volume. Considerable attention is being paid to the crude market position at this time. Other products are quiet. Ruling prices are:—C.p., drums, 15½c. per pound; less than car lots, 16c.; cans, 17½c. to 19½c., according to quantity; dynamite, 15½c.

Methyl Acetone.—Prices quoted f.o.b. refinery, freight allowed to destination, were reduced 2c. per gallon last week. Tanks were named as follows:—Zone 1, 26½c. per gallon; zone 2, 29c.; zone 3, 30c.; zone 4, 30½c.; car lots, drums, zone 1, 31½c.; zone 2, 34½c.; zone 3, 35½c.; zone 4, 37½c. Some producers quoted prices on a delivered basis and one prominent quarter named a schedule 2c. over the above quotations.

Milk Powder.—The Agricultural Adjustment Administration reported that the Federal Surplus Commodities Corporation has awarded to two bidders contract to supply five million pounds of surplus dry skim milk under a purchase program aimed to improve market conditions and to aid milk producers. The quantity, amounting to 110 carloads, will be allocated to State relief agencies for distribution to needy persons.

Quicksilver.—Open quotations lacked change, but they were easy and subject to the unsettling influence of competition. Reports from the Pacific Coast indicated that the American producers were meeting the low prices, at which Italian metal has been offered on this market.

SAN FRANCISCO, March 15.—California quicksilver producers have met the low prices on European metal and have released various quantities in the eastern market for as low as $72.50 per flask and in some instances it is believed that this level has been shaded. There is more inquiry here now that buyers are aware of the presence of domestic metal in the market. Meantime, current production in this area is estimated at 650 flasks per month.

Quinine.—A fairly good request for this article was noted and some gain in sales was expected to develop in certain areas when warmer weather arrives and malaria gains. Efforts have been made by the government in British India to cultivate the cinchona tree, this for the purpose of making India somewhat independent of other producing countries. The following is from the annual report of the Government Cinchona Plantations and Factory in Bengal:—

The total area under cinchona cultivation at the close of the 1937 fiscal year amounted to 2,762 acres. The Mungpoo plantation was extended by over 750,000 healthy young trees and the Munsong plantation was extended by 149 acres. The harvest of Bengal bark totaled 1,452,311 pounds as compared with 1,329,320 pounds during the previous year. A total of 1,412,168 pounds of dried bark were treated in the factory during the year of which 1,223,490 pounds were Bengal bark and the rest belonged to the Government of India. The quantity of quinine sulphate manufactured during the year amounted to 57,313 pounds of which 7,378 pounds belonged to the Government of India. The total amount of cinchona febrifuge manufactured during the same period was 31,787 pounds of which 4,568 pounds belonged to the Government of India. After making certain deductions, the net receipts amounted to 1,071,616 rupees ($407,214). The total expenditure of the Department including pensionary charges was 447,055 rupees

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($169,881). The profit of the year's working, according to the profit and valuation account amounted to 652,724 rupees ($248,035) as compared with 516,613 rupees ($196,313) in 1935-1936.

Santonin. — Quotations were shaded to the basis of $23 to $24 per pound. This more favorable value was established at the time when buyers could profit most by the development. Spring sales were expected to bring a substantial rise in volume. The market had been very quiet for a long time past.

Seidlitz Mixture. — Although tartaric acid was advanced 1c. per pound last week, no change was made in the price on Seidlitz mixture. This was probably for the reason that when acid prices were reduced a few weeks back, the decline was not reflected on derived products.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces, small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32⅝	44¾	20⅜
Monday	32⅝	44¾	20⅜
Tuesday	32⅝	44¾	20⅜
Wednesday	32⅝	44¾	20⅜
Thursday	32⅝	44¾	20⅛
Friday	32⅝	44¾	20⅛

Soda Benzoate.—Manufacturing consumers were expected to be active takers of this item in the not-far-distant future. Seasonal expansion in consumption will be due in a short time and producers indicated that prices were on the firm side.

Soda Mandalate.—Consumption was said to have decreased moderately, but the feeling was that recovery would come. In the meantime, prices were being steadily maintained in all directions. Stocks were ample, it was said.

Strychnine.—The market appeared to be steadier. Since the recent substantial decline in spot quotations a lessening of competition has become evident. News from Europe of late has indicated a falling market there, too.

Trade News Briefs

Kentucky legislature has passed (two forms in the two houses) a new drug bill which would require the supervision of a registered pharmacist over the manufacture of pharmaceutical preparations and proprietary medicines.

Drug and cosmetic wholesalers, retailers, and sales agents in Mexico have been listed by the Bureau of Foreign and Domestic Commerce. Lists are available at the bureau in Washington at 10 cents a copy to accredited American firms.

Drug manufacturers interested in representation in Colombia can get from the Bureau of Foreign and Domestic Commerce, Washington, information about a Bogota merchant who will be in this country around April 1, looking for commission agencies.

Drug and cosmetic wholesalers and retailers and commission dealers in Syria have been listed in a directory by the Bureau of Foreign and Domestic Commerce. Accredited American firms can get copies of this list at 10 cents each from the bureau in Washington.

Haloid Company, manufacturer of photographic papers and equipment, Rochester, N. Y., elected to the chairmanship of the directorate Gilbert E. Mosher, who has been president since 1917. Joseph R. Wilson, formerly vice-president in charge of sales, was elected president.

Dermolav Laboratories, Inc., this city, has been ordered by the Federal Trade Commission to cease representing that its treatments for the hair and scalp will cure baldness and alopecia areata, will stop or prevent falling hair and revive so-called "dormant" hair roots, and to stop advertising that its preparations are harmless and scientific and constitute a new method of treating ailments and conditions of the scalp.

Mrs. Ida Schulz Dohme, widow of Charles E. Dohme, a founder of the Sharp & Dohme, pharmaceutical manufacturer, left an estate of $1,601,316, according to an inventory filed in the Orphans' Court of Baltimore March 14. Of this sum, $37.000 is devised to charities, with $20.000 in trust for lectures on pharmacy and pharmacology at the Hopkins University, which course had been established by her husband. The residue of the estate goes to her children and grandchildren.

Reilly Sales Manager Of Colgate Soap Dept.

J. A. Reilly has been appointed sales manager of the soap department for the Colgate-Palmolive-Peet Company, it was announced by E. H. Little, vice-president in charge of sales and advertising. For the past two years, Mr. Reilly has been assistant sales manager of the soap department.

J. A. Reilly

Since he joined the old Colgate company sixteen years ago as display man, Mr. Reilly has worked in every branch of the national sales organization. After six months with the company, he was placed in charge of Colgate sales crews in western Massachusetts, Vermont and northwestern New York. Subsequently he became supervisor of sales in the Springfield, Mass., district. He held this position until he was promoted to sales manager of the Indianapolis district in 1931.

Mr. Reilly established sales offices at Jeffersonville, Ind., and then merged the Indianapolis sales district with the Jeffersonville district. In 1932 the Cincinnati district was added to his responsibilities. In 1934 he was given the sales division centering in Chicago, and in 1935 he was asked to come to the home office in Jersey City as assistant to the sales manager of the soap department.

Vick Chemical Enjoins New York Price-Cutter

As a result of application for injunction made by the Vick Chemical Company on March 14, the Siegel Cut Rate Drug Store, this city, has been permanently restrained from selling any Vicks products at retail prices lower than the minimum fair trade prices established by Vicks under the New York fair trade act.

On March 16 Supreme Court Justice Julius Miller, sitting in the Supreme Court of New York county, entered final judgment in favor of the Vick company against the defendant, permanently enjoining the latter from cutting prices on Vicks products. The action was brought by the law firm of White & Casey, this city.

Smith, Kline & French Forms Cash and Carry Division

Smith, Kline & French, Inc., wholesale druggist, Philadelphia, has formed the Smith-Kline Economy Drug Company. The new unit will conduct a "cash and carry" depot at 510 N. Sixth street. In addition to fast selling patent medicines, Smith-Kline-Economy will carry popular items in pharmaceutical, chemical, candy and other departments, according to J. Mahlon Buck, president of Smith, Kline & French, Inc. Mr. Buck said that the savings from such features as credit, delivery, sales and other services will be passed on to the retailer who desires to pay cash and to take the merchandise with him.

Balto. Drug Bowling Lead Held by Armstrong Cork

Blanketing Penn-Maryland, the Armstrong Cork Company quintet of the Baltimore Drug Trade Bowling League last Monday night fattened its percentage and strengthened its hold on first place. The Bromo-Seltzer team, on the same evening, whitewashed McCormick & Co., which seems to be letting down more and more, and thus made its hold on second position additionally secure. The games gave the teams the following percentages:—

	Won.	Lost.	P.C.
Armstrong Cork Co.	24	9	.727
Bromo-Seltzer	22	11	.667
Noxzema Chemical Co.	19	14	.576
Maryland-Pennsylvania	15	18	.455
Glenn Martin	14	19	.424
Fort Howard	14	19	.424
McCormick & Co.	12	21	.394
Dry Docks	12	21	.394

Poland Publishes Modern Pharmacopoeia

The Polish Pharmaceutical Society has published a pharmacopoeia which has been endorsed by the Polish government. The new pharmacopoeia, a 1,110 page volume, is the first work of its kind published in modern Poland. It is intended to replace the Austrian, German and Russian official nomenclature and standards of drugs, their compounds and mixtures, which have prevailed, except for one brief period, since the last partition of the country in 1795.

Litter Back From Coast

David H. Litter, of the firm of D. H. Litter, manufacturers agent, this city, returned to New York on the steamer California after a two-months' transcontinental trip. Mr. Litter combined business with pleasure, spending some time with his principals, the Anderson-Pritchard Oil Corporation, in Oklahoma City, the Pacific Vegetable Oil Corporaton, and the Metalead Products Company in San Francisco. Mr. Litter also visited southern California and spent several days fishing off Malibu.

American Cyanamid History Given in Booklet

In commemoration of the thirtieth anniversary of its founding, the American Cyanamid Company has issued an illustrated booklet which chronicles the history and growth of the company since its organization in 1907. The booklet also contains a list of the location of the company's plants, mines and quarries and a list of the company's sales offices and affiliates.

Drug and cosmetic wholesalers, retailers, and sales agents in Austria have been listed in a directory available at the Bureau of Foreign and Domestic Commerce, Washington, to accredited American firms at 10 cents a copy.

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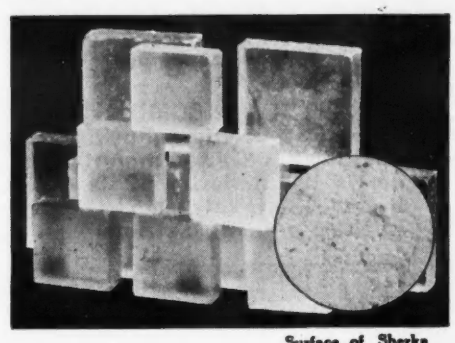

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S. B. PENICK & COMPANY occupies the unique position of being the only botanical miller and manufacturer to derive the majority of its domestic botanicals directly from the gatherers in the producing districts.

Through generations, Penick collectors have passed on to their families the art of medicinal plant collection and identification—knowledge of the right season to gather for a maximum of active principles, how to remove adhering soil, how to dry plants correctly. More than two hundred Penick botanical drugs are gathered in the beautiful Blue Ridge Mountains of North Carolina.

The gatherers bring the botanicals to the Penick warehouse at Asheville, North Carolina. Today over fifteen hundred natives gather roots, barks and herbs during the harvesting season. In the collection house, the materials are carefully hand picked, rewashed, graded and thoroughly dried. Curing is completed in open-air drying sheds. An experienced manager supervises each process through to the time the different grades and qualities are separated, and samples sent to Penick control laboratories for examination.

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Informative Literature

Send the numbers of what you want to the Reporter on a postcard. Copies will be sent without charge.

Chlorinators:—The Wallace & Tiernan Company, manufacturer of chlorine and ammonia control apparatus, Newark, N. J., is distributing a pamphlet in which is urged a checking of chlorinators for spare parts; installation of reserve equipment, as well as giving consideration of portable chlorinators for emergency use. **(607)**

Rubber Vulcanization Centenary Planned

Charles Goodyear discovered the process of vulcanization of rubber in 1839, in Woburn, Mass., a village near Boston. To commemorate the hundredth anniversary of this discovery, on which the development of the rubber industry was founded, the American Chemical Society will arrange a special program in its meeting to be held in Boston in the Fall of 1939.

A. R. Kemp, chairman of the A.C.S. division of rubber chemistry, has appointed a committee and an advisory council to prepare the centenary program. The committee of three members is headed by J. M. Bierer, of the Boston Woven Hose & Rubber Company; the advisory council consists of eleven members representing various aspects of the chemistry, manufacture, and utilization of rubber.

Slomon Increases Space

Ira I. Slomon, manufacturer of adhesives, Long Island City, has increased the frontage of his building by an additional 30 by 100 feet, making the total frontage 50 by 100 feet. The Slomon organization has been established for twenty-five years, marketing an adhesive suitable for millinery purposes which Mr. Slomon claims, eliminated the sewing process. The company also markets rubber cements and lacquer specialties to diversified industries.

Corrosion Resistance:—The International Nickel Company, this city, is distributing a booklet with tabular data on definitely established uses of "Monel" and "Iconel" to resist corrosive action or to protect the purity of more than 400 chemicals and corrosive products. **(608)**

Cradle Trucks:—The Morse Manufacturing Company, Syracuse, N. Y., has issued "Bulletin 500," in which drum, barrel and carboy cradle trucks are described. Portable drum crane and accessories are illustrated. **(609)**

Rubber Substitutes:—E. I. du Pont de Nemours & Co. has published "The 'Neoprene' Notebook." The notebook is planned to give the engineer and the manufacturer engineering information, laboratory data, and application reports on "Neoprene." **(610)**

Sealed Containers:—Ferdinand Gutmann & Co., Brooklyn, has issued a booklet on "Filma-Seal," a patented process by which a film material is made to adhere to the sealing lip of a container at the same time as the cap is applied. The booklet claims that this is accomplished by interposing an inert adhesive between the container cap and the film in the cap. **(611)**

Softeners:—The National Oil Products Company, Harrison, N. J., has issued a booklet on softener and wax finishes, in which is outlined how softener finishes must be made to meet specific demands, such as maximum softening only, softening with body, a flexible but stiff finish, high lustre, a light paste with hot or cold starch, a heavy paste with starch, etc. **(612)**

Steel Strapping:—The Signode Steel Strapping Company, Chicago, has released catalogue No. 17, which describes bale ties, bulbinding, carloading, corner irons, electric stretcher, pail clasps, pneumatic sealer, tag fasteners wire tying machines and other factors vital to packing and shipping with steel strappings. **(613)**

Wood Preserving:—The Wood Preserving Corporation, a Koppers Company subsidiary, has just issued a new illustrated booklet, "Pressure Treated Timber—from the Tree to the Job." The booklet discusses pressure processes, preparation of timber before treatment, its economy and uses in industrial plants, in coal mines, for wharves, bridges and other underwater construction, as well as railroad and residential construction. Numerous photographs illustrate a wide variety of construction projects employing treated timbers. **(614)**

Obituaries

Winthrop C. Neilson

Winthrop C. Neilson, a vice president of the Aluminum Company of America, Inc., and president of the Republic Mining & Manufacturing Company, died March 12 in his home in Ardmore, Pa., following an illness of about a year. He was sixty years old.

Born in Philadelphia, Mr. Neilson was an authority on bauxite, graduated from the University of Pennsylvania in 1899. He started work in the Rome, Ga., office of the Republic company, and in 1906 succeeded his father, William G. Neilson, as president. In 1931 Mr. Neilson was elected to a vice-presidency of the Aluminum company, of which the Republic organization became a subsidiary. Mr. Neilson was also associated with the Clinton Mining Company, the Righter Coal & Coke Company, the Brookside Pratt Mining Company and the Keystone Drop Forge Works. His clubs included the Union League in Philadelphia, the Merion Cricket and the Ausable. He was a member of the American Institute of Mining and Metallurgical Engineers.

Surviving are his wife and three sons.

William F. Donovan, former chairman of the Libbey Glass Manufacturing Company, died March 15 in Toledo. He was seventy-five years of age. He had been associated with the Libbey glass interests in the East, and moved to Toledo with E. D. Libbey and Jefferson D. Robinson when they established the Libbey Glass Manufacturing Company. Surviving are his wife, a daughter and a son.

Dudley Stafford Golding, long in the oil supply business, was killed in a Corpus Christi plane crash March 5. He was forty years old. Mr. Golding entered partnership with C. W. Murchison when the famous East Texas oil field was thrown open. The pair's total cash outlay in 1926 was $167, and when the boom subsided they were in a position to sell part of their holdings for $6,600,000.

Floyd L. Kinley, internationally known for his success in checking fires in oil fields, died in a Tulsa, Okla., hospital of injuries suffered in an oil field accident near Goliad, Tex.

D. H. McQueeny, president of the Eastern Products Glycerin Company, Lafayette, Pa., was killed in an explosion in his company's plant March 10.

George William Norton, a retired soap manufacturer, died at his home in Lexington, Mass., March 15. He was eighty years old.

Frederick G. Rodgers, president of the Rodgers Chemical Company, Pittsburgh, died March 13. He was fifty-five years of age.

Birger G. Rosentwist, of Rosentwist & Gorner, manufacturers' agent for aniline dyes, Boston, died in Sweden. Mr. Rosentwist had been educated at Royal Institute of Technology, Stockholm, and the University of Gottingen, Germany. He came to the United States in 1891, and was for several years Swedish vice consul, located at Boston.

Henry Stolz, vice-president and director of Wadhams Oil Company, Milwaukee, died March 16. He was sixty-two years old. He was born in Richfield, Wis., and went to Milwaukee in 1910 as general manager of the Bartles Maguire Oil Company.

P. C. Townsend, manager of the sales office of Virginia-Carolina Chemical Corporations at Columbia, S. C., died March 8 after an illness of several months. He was engaged in the fertilizer business for thirty-five years, having been division manager for Virginia-Caroline in Atlanta and Charleston, and for the past fifteen years at Columbia.

Botanical Drugs, Spices, and Gums

German Seizure of Austria and Danger to Czechoslovakia, Yugoslavia And Hungary Autonomy Hits Heart of European Botanical Drug Supply — Events Watched Closely

Developments in the local botanical drug market appeared to be lilliputian compared with events in Central Europe last week. The seizure of Austria by Germany and the reduction of that state from a republic to a conquored province which becomes part and parcel of the German Reich had a direct interest for buyers of European crude drugs.

European botanicals come from Austria, Czechoslovakia, Yugoslavia, Hungary and Germany. The German national policy since the era of Bismarck has been Drang Nach Osten—expansion to the east. Last week Germany expanded eastward and Austria died as a nation to become a province in the German Reich. The policy of expansion makes Czechoslovakia the next nation in the path of German eastward growth. Such a policy naturally raises doubt as to the future of Yugoslavia and Hungary. And the danger that Drang Nach Osten may result in war had a real meaning to the botanical drug market in this country. The countries involved supply this country with a very high percentage of its imported botanical drugs. With German troops now at the Brenner pass into Italy, even that country's close political relation with Germany does not assure the future of Italian shipments of botanics. Fortunately, spot stocks of botanicals grown in Central Europe are substantial at present.

So far as the local market developments were concerned, last week held little of major interest. The number of prices changed was fewer than in recent periods and it may well have been a sign of a firmer undertone developing on spot.

Items of strength included black haw root bark, cociliana bark, linden flowers with leaves, and lobelia herb. Dried raspberries and sloe berries were also less subject to competitive pressure. Stramonium leaves were fractionally higher, but except for the uncertainty of getting goods passed on arrival here, that item could hardly be called stronger.

Spanish anise yielded fractionally to the lack of demand sufficient to sustain the full measure of the recent sharp rise in prices. Balm of Gilead buds were shaded considerably and moved only to a limited extent. Cardamom was weak and further declines came on decorticated and green material. Senna was slightly unsettled. Serpentaria root was down substantially.

Entries of botanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	...	318
Belladonna	51	114
Caraway	167	600
Cardamom (cases)	...	502
Celery	...	84
Coriander	750	1,794
Cumin	58	688
Digitalis leaves (cases)	58	58
Dill	...	105
Fennel	75	102
Henbane leaves (bales)	42	107
Mustard	200	7,808
Poppy	300	11,550
Sage leaves (bales)	...	134
Sesame	354	1,480
Stramonium (bales)	262	...
Thyme (bales)	...	20
Totals	2,498	28,128

Price Changes

Prices were changed during the past week as follows:—

Advanced

Black haw, root bark, 3c. per lb.
Clove, Zanzibar, ¼c. per lb.
Cocillana bark, 2c. per lb.
Linden flowers with leaves, 1c. per lb.
Lobelia herb, 1c. per lb.
Mustard seed, English yellow, ½c. per lb.
Raspberries, dried, 2c. per lb.
Sloe berries, 1c. per lb.
Stramonium leaves, ½c. per lb.

Reduced

Anise, Spanish, ½c. per lb.
Balm of gilead buds, 5c. per lb.
Cassia, shortstick, ¼c. per lb.
China, extra select, broken, ¼c. per lb.
Copaiba, Para, 1c. per lb.
South American, 1c. per lb.
Cardamom, decorticated, 8c. per lb.
green, 2c. per lb.
Caraway seed, ½c. per lb.
Ginger root, African, 1c. per lb.
Japanese, 3½c. per lb.
Orange peel, sweet, ½c. per lb.
Pepper, black, Lampong, ⅝c. per lb.
Senna, Alexandrian, whole, 1c. per lb.
T. V. No. 1, 1c. per lb.
Serpentaria root, 5c. per lb.
Thyme, ½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
133.3	133.0	133.7	126.4

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—The market was shaded to 26c. to 27c. per pound on Para, and 28c. to 29c. on South American balsam. The development was one caused mainly by local competition in a market not noteable for more than very moderate consuming demand.

Tolu.—The market appeared to be fairly steady. At least, quotations were unchanged and conditions lacked factors likely to produce unsettlement of values at the present time. Stocks were said to be ample for all current requirements.

Barks

Black Haw.—The dealer who recently quoted as low as 27c. per pound on root bark has changed his views, and has brought quotations to meet what had been the general market opinion in all other directions, namely, 30c. to 31c. per pound. Tree bark was unchanged. Though not in much demand, root bark was firm because of the very low reserves in the primary market and the high cost of goods available there.

Cocillana.—A firmer undertone developed. Following a fairly long period of price declines caused by competition that resulted from cheaper goods being offered from the source, the bark last week moved up to 16c. to 17c. per pound, and was free from excessive competition.

Elm.—Firm undertones were the rule. The unsold reserves in hand here were not believed to be sufficiently large to make for a declining market, even though it does not exceed its at present conservative size. Values were well maintained.

Orange Peel.—Sweet peel was reduced further to the basis of 9c. to 10c. per pound, under the influence of substantial competition for the limited spot demand for the item. Bitter peel remained very steady.

Wahoo.—Although demand was light, sellers kept firm prices at all times and were disposed to maintain values on a basis fairly well in line with replacement costs. The item was no longer placed quite so favorably for manufacturing consumers.

Beans

Vanilla.—Conditions in Europe, especially in France, were highly unsettled last week. French financial and political difficulties rendered French exchange mainly weak. However, the position of vanilla beans was little changed. Merchandise was almost better property than money, and the French holders of Bourbon beans held views that in all cases was based on the factor of supply and demand. No overstock of Burbon beans exists anywhere in the whole, and it must be several years before any substantial increase in production can result from new plantings made a little while back. Good to high quality beans were in particularly reserved supply. All kinds of vanilla on spot remained firm in price and continued to move in very good-sized quantities to the consuming trades.

Berries

Raspberries.—For the first time in many weeks a change in prices on this item was an advance. The market was 55c. to 60c. per pound at the end of the period under review, and a firmer tone prevailed in all quarters.

Sloe.—Business was done at 9c. to 10c. per pound and, because of the prevailing cost of replacements, sellers were no longer inclined to accept bids from buyers.

Flowers

Arnica.—The price range was very wide, being 29c. to 35c. per pound, according to sellers. Also, a wide range in quality was said to prevail. While some criticism of quality was given the 29c. per pound merchandise, those with such material in hand declared them to be fair, average quality.

Chamomile.—Some gains in inquiry were noted, and the Hungarian article assumed a steadier position. Roman flowers were in jobbing demand for the most part. Stocks were ample on spot.

Linden.—Shipment quotations on flowers with leaves were firm and prevailed at levels well advanced over those on flowers without leaves—a highly unusual price relationship. Spot quotations on leaves with flowers were higher at 19c. to 20c. per pound.

Pyrethrum.—Flowers and concentrates were fully strong. Recent advances in prices were well manitained, and the tendency upward was still the current characteristic of both materials. The season during which consumption usually increases is approaching, and it will find the market strong and vitalized. Production costs on concentrates have risen parallel with the poor yeld of flowers.

Saffron.—Dealers were watching conditions in Spain. During the past week it appeared that the Spanish rebels were near to success and it was suggested that a resumption of normal trade relations with Spain might be not far away. Most saffron reaching here for many months has come from Spain through France to the United States.

Gums

Arabic.—Cleaned amber sorts sold at 10c. per pound during the past week but toward the end of the period prices firmed considerably and 10¼c. to 10½c. per pound was the general quotation. Powder lacked change, nor was there any change in the prices on white gum.

Asafetida.—The replacement market were substantially firm, according to statements of agents for the foreign suppliers. Stocks unsold on the spot were none too ample in size and most of the supply available was in a single quarter, the product of numerous purchases made here when shipments from the source became uncertain. It was still a sellers' market.

Galbanum.—The supply was comparatively small and held in strong hands. However, the call has been small, when present at all, for some time past, and during the period under review there was very little done on the basis of 95c. to $1 per pound.

Guaiac.—Values were well held. Most sellers reported a lack of competition, stating that orders were being filled at full prices at all times. Stocks were moderate enough to account in part for the very steady undertone ruling the market.

Tragacanth.—Now that it is certain that price control by the Persian gov-

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum
Aloes
Aniseed
Buchu Leaves
Chamomile
Deer Tongue
Doggrass
Ergot
Fennel Seed
Ipecac Root
Irish Moss
Juniper Berries

Kola Nuts
Lavender
Myrrh Gum
Papain
Quince Seed
Saffron
Sarsaparilla
Saw Palmetto
Senna Leaves
Tragacanth
Valerian
Wild Cherry Bk.
CRUDE DRUGS
J. L. HOPKINS & CO.
220 BROADWAY, NEW YORK

Gum Tragacanth---Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

SPOT OR FUTURE
POWDERED TIMBO
4% - 4½% - 5% ROTENONE
LENAPE TRADING COMPANY, Inc. - - 225 Broadway, New York

GUMS
IMPORTERS
GUM ARABIC
GUM KARAYA
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. Hanover 2-3750-1

ernment will continue throughout 1938, local dealers have taken a decidedly firm view on current market prices and indicate their full belief that values will continue to be well maintained for many weeks to come. Until news of the government's decision reached here, some uncertainty as to the probable course of future price developments was noted, current spot quotations are admitted to be purely the result of price fixing in Persia by government fiat, not by the interplay of supply and demand.

Herbs and Leaves

Lobelia.—Country prices made it unprofitable to sell for less than 13c. to 14c. per pound and some quarters refused orders tendered at less than the outside figure. The higher quotations were maintained regardless of the not active request.

Senna.—Prices have become easier in some measure. T. V. No. 1 was offered at 9c. to 10c. per pound and the pods could be had for 5½c. to 6c. Alexandrian whole leaves were offered at 14c. to 15c., and the half leaf was to be had for 10c. to 11c. Conditions were slightly unsettled and the tendency of sellers was to accept reasonable bids.

Stramonium.—Quotations prevailed at 10½c. to 12c. per pound, according to seller, and some asserted that at least 12c. should be minimum considering the great difficulty in getting goods passed for consumption on arrival from abroad.

Thyme.—Competition shaded prices to the basis of 17c. to 17½c. per pound and not much interest was shown in the article at its new, lower, and more attractive price position.

Uva Ursi.—The reports that suggested possible end of the Spanish revolution, or civil war, also gave rise to the suggestion that normal trade relationships with Spain might develop in the not far distant future, with its possible results on the value of this item.

Miscellaneous

Balm of Gilead.—Prices have been reduced to 35c. to 40c. per pound as a competitive gesture that was full evidence of the absence of more than occasional request for the material.

Colocynth Pulp.—It continued to be a buyers' market and in all quarters the tendency was to meet any reasonable bid of potential buyers. The supply available on spot was substantial in every direction.

Guarana.—No further price concessions were granted. In fact, powdered merchandise appeared to be strengthening considerably. No surplus of spot stocks was reported. Replacement cost was firm.

Lycopodium.—Because of shipment prices abroad, local quotations held free from further decline. However, the absence of much demand tended to keep the market distinctly competitive when potential business was thoroughly shopped through the spot.

Papain. — Powder lacked further change. However, the market was unsettled and competitive with the result that open quotations were usually subject to confirmation since the tendency was to move them in favor of buyers. January imports of pawpaw juice were as follows:—

	Per pound.
United Kingdom	7,379
Ceylon	8,872
Japan	1,400
Siam	953
New Zealand	670
Total	19,274

Roots

Ipecac.—January imports totaled 5,170 pounds, all from Costa Rica. The spot market was steady to firm. Not all sellers met minimum quotations. Possibly less competition than there had been prevailed on the spot.

Jalap.—The spot market was very steady, free from competition, and subject to a steady if not expansive consuming request. January imports totaled 9,184 pounds from Mexico.

Orris.—Morocco is supplying some of this item to this market, the January importations from that country totaling 4,509 pounds. The arrivals from Italy, the source of most supplies, amounted to 72,928 pounds. Local conditions were little changed last week, the market being generally steady in undertone.

Rhubarb. — Steady quotations prevailed. The downward trend of values has been interrupted and such a development was in line with the uncertainties still beclouding the probable shipments from China. January imports totaled 42,675 pounds.

Serpentaria.—Quotations were shaded to $1.05 to $1.10 per pound. It was a competitive development in which one house, slightly long on stocks when compared with orders, shaded values when film business was in sight.

Seeds

Anise.—Spanish seed was back to 13c. to 13½c. per pound for spot goods. Demand has not supported the continued rise in quotations. However, the war situation in Spain came to the front last week but no one seemed to have ideas as to what actually would happen should the war end.

Caraway.—Jobbing business was the rule and not a great deal of that was reported in most quarters. However, prices were off a fraction, reflecting a report of a cut in acreage cultivated in Holland. Quotations were 7⅝c. to 8c. per pound.

Cardamom.—Decorticated seed continued to decline in price and the market late last week was 97c. to $1 per pound. Also, green seed was lower at 68c. to 72c. The weakness in these two items was no less great than it had been in recent weeks. Bleached seed held.

Flea.—The recession in quotations has ceased for the time being. It seemed likely that the stronger elements that recently caused an advance in quotations were still operative to the extent of checking revisions in favor of buyers.

Mustard.—The sole change within the group came in English yellow seed, which article was a very small fraction higher at 8¾c. to 9c. per pound. All other varieties of this seed were steady to firm in price, though the actual sales were not increasing.

Poppy.—The foreign price continued to show strength and excellent support. Locally, developments lacked new turn but the situation was of considerable strength and quotations were little subject to competitive influences.

Spices

Cassia.—Short stick was down slightly to 12¼c. to 12½c.(per pound. Also, extra select broken, China material was reduced to 4¾c. to 5c. The balance of the market lacked change. Trading was not very active.

Clove.—Because of the well controlled situation in Zanzibar, where fairly large stocks were being successfully held off the market by co-operative efforts, the spot price of this article showed improved strength and was noted higher at 16½c. to 16¾c. per pound during the past week. Madagascar spice lacked development.

Ginger.—African root was reduced rather sharply, a full cent drop bringing quotations to the basis of 12c. to 12½c. per pound, which seemed to be fairly well in line with the replacement situation. Jamaica and Cochin material remained very steady at unchanged prices. Japanese root was down substantially to the basis of 11½c. to 12c. Demand was mainly routine and not expansive last week. Prices on root from Japan had been almost nominal since the supply was very light.

Pepper.—Black Lampong was eased back to 6⅛c. to 6¼c. per pound, but the Tellicherry black was higher at 9c. to 9½c. Alleppy was unchanged. White Saigon was offered in place of Singapore Muntok. Java Muntok was steady. Red peppers were very firm, especially Mombassa chillies, which occupied a strictly nominal position.

Trading in black pepper futures on the New York Produce Exchange from March 12 to March 18, inclusive, comprised 146 contracts, a total of 4,905,600 pounds. Following is a price record for the week:—

	Cents per pound— High.	Low.	Close.
January	6.73	6.35	6.39 sale
February	6.78	6.45	6.40@6.45
March	6.10	6.08	5.90@6.05
May	6.34	6.08	5.96@6.10
July	6.23	6.19	6.05@6.15
September	6.35	6.20	6.10@6.25
December	6.68	6.33	6.33 sale

Spice Trade Ass'n Names Convention Committee

Arrangements for the annual convention of the American Spice Trade Association are under way and, according to Charles A. Thayer, of the R. T. French Company, Rochester, N. Y., president of the organization, the following have been appointed members of the convention committee:—Chairman, Thomas F. Burns, of Hahne & Burns; Anthony A. Sayer, of H. P. Herrfeldt & Co.; Arthur G. Dunn; Frank B. Ross, of the Frank B. Ross Company; and George L. Curtin, of George Curtain & Co., all of this city. President Thayer requests association members to make suggestions as to subjects to be considered, to the end of making the May meeting set a new record of achievement.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

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Two-hundred-nineteenth Instalment

Linen

Bleaching Agents for Linen

(Continued from March 14 issue)

Merclor B
Oleic acid
Oleyl chloride
Oxone
Ozone
Perborates
Perborax
Percarbonates
Persulphates
Phthalyl peroxide
Potassium acid sulphite
Potassium bichromate
Potassium hydroxide
Potassium persulphate
Soap
Soap, alkali
Soap, castor oil
Soap, neutral
Soap, turkey red
Sodium acid percarbonates
Sodium bichromate
Sodium bisulphite
Sodium carbonate
Sodium hydrosulphite
Sodium hypochlorite
Sodium hyposulphite
Sodium oxychloride
Sodium perborate
Sodium peroxide
Sodium persulphate
Sodium sulphite
Sodium tetraborate
Solozone
Succinyl peroxide
Sulphur dioxide
Sulphurous acid
Valeryl peroxide with hydrogen peroxide

Dyes, Basic, for Linen

Acridin brown ON
Acridin flavin RD
Astra phloxin FF
Auramine R
Bismark brown
Brilliant acridin orange
Brilliant acridin orange R, 3R, 5R
Brilliant rhodulin blue R
Chrysoidin R, Y
Crystal violet
Diphene blue BR
Euchrysin G
Irgalite red
Irgalite red PG
Japan black MBG
Leather brown 5RTX
Magenta
Methylene blue
Methylene green
Methylene gray
Methyl lyons blue
New methylene blue
Nile blue
Phosphin O, 3R
Rheonin AL
Rhodamine B, 6G, 6GD, 6GH, 6GDN
Rhodulin blue 6G
Runic AL
Safranin
Special blue G
Thioflavin
Thionin blue
Thio violet 5R
Victoria blue B
Xantho acridin 2RD

Dyes, Direct, for Linen

Benzo bronze E
Benzo chrome black blue B
Benzo direct fast brown RL
Benzo fast blue
Benzo fast blue 2GL, 4GL, 8GL
Benzo fast copper blue
Benzo fast eosin BL
Benzo fast gray
Benzo fast gray BL
Benzo fast heliotrope
Benzo fast heliotrope 4BL, 5RH
Benzo fast light scarlet 4BL
Benzo fast orange 2RL
Benzo fast red
Benzo fast red 6BL
Benzo fast red GL
Benzo fast scarlet
Benzo fast scarlet 8BSN, 2GL
Benzo fast yellow
Benzo fast yellow RL
Benzo red 12B
Benzo rhodulin red
Benzo rhodulin red B
Benzo rhodulin red 3B
Benzo rubin SC
Benzoform blue
Benzoform blue B
Benzoform blue 2BL
Benzoform blue G extra
Benzoform brown
Benzoform brown R, 4R
Benzoform green FFL
Benzoform orange G
Benzoform scarlet B
Benzoform yellow DL
Brilliant benzo fast violet 4BL
Brilliant benzo fast yellow
Brilliant benzo green
Brilliant benzo green B
Brilliant benzo violet
Brilliant benzo violet 2BH
Brilliant benzo violet 2R
Brilliant congo violet R
Brilliant direct pink
Brilliant direct pink B
Brilliant direct pink 3B
Brilliant fast blue 3BX
Brilliant fast blue
Brilliant fast yellow GL
Brilliant fast yellow 6G
Brilliant fast yellow 6G extra
Brillian sky blue
Brilliant sky blue R
Chicago red III
Chloramine brown
Chloramine brown G
Chloramine brown 2R, conc.
Chloramine fast brown
Chloramine fast brown 2R, conc.
Chloramine fast orange
Chloramine fast orange R, conc.
Chloramine light brown R, conc.
Chloramine light gray
Chloramine light gray B
Chloramine light gray R
Chloramine light violet R, conc.
Chloramine red
Chloramine violet FFB
Chloramine violet
Chlorantin brown Y
Chlorantin fast blue 2GI
Chlorantin fast blue 4GL
Chlorantin fast blue
Chlorantin fast bordeaux 2BL
Chlorantin fast brown
Chlorantin fast brown BRL
Chlorantin fast brown 5GL
Chlorantin fast brown RL
Chlorantin fast brown 3RL
Chlorantin fast brown 4RL
Chlorantinfast green B
Chlorantin fast orange 2RL
Chlorantin fast red
Chlorantin fast red 6BL
Chlorantin fast red 5GL
Chlorantin fast violet
Chlorantin fast violet 4BL
Chlorantin fast violet 5BL
Chlorantin fast violet RL
Chlorantin fast violet 2RL
Chlorantin fast yellow RL
Chlorazol drab RH
Chlorazol fast brown RK
Chlorazol fast eosin B
Chlorazol fast orange
Chlorazol fast orange AG
Chlorazol fast orange G
Chrysophinin G
Congo corinth G
Congo red
Cotonerol A extra
Cotton black
Cotton black AC
Cotton black A4G
Cupranil brown
Cupranil brown BV
Cupranil brown 3G
Developed brilliant orange 5G extra
Developed fast red
Developed pure blue B
Developed sky blue B
Developing black
Developing black ED
Developing black OT
Developing black BHN
Developing blue B
Diamine azo brown 3G
Diamine azo green
Diamine azo green 3G
Diamine brilliant scarlet
Diamine brilliant scarlet S
Diamine bronze brown PE
Diamine catechin B
Diamine catechin G
Diamine fast bordeaux 6BS
Diamine fast bordeaux
Diamine fast brown
Diamine fast brown 3G
Diamine fast brown GB
Diamine fast brown GBB
Diamine fast brown GF
Diamine fast brown R
Diamine fast orange
Diamine fast orange EG
Diamine fast orange ER
Diamine fast rose B
Diaminogen GG
Dianil fast gray BBL
Dianil fast red 12BL
Dianil fast violet BL
Dianil light red 12BL
Dianil yellow 5G
Diazamine blue 4R conc.
Diazanil black AV
Diazanil orange RR
Diazanil pink B
Diazanil scarlet 3BA, conc.
Diazo black RS
Diazo black VG
Diazo blue
Diazo brilliant blue 2BL, extra
Diazo brilliant green 3G
Diazo brilliant orange
Diazo brilliant orange 5G, extra
Diazo brilliant scarlet
Diazo brilliant scarlet 2B1, conc., extra
Diazo brilliant scarlet 3BA, extra
Diazo brilliant scarlet G, extra
Diazo brilliant scarlet ROA, extra
Diazo brilliant scarlet 84B
Diazo brown
Diazo brown BW
Diazo brown G
Diazo brown 6G
Diazo brown 2GW
Diazo brown NR
Diazo brown 3R
Diazo brown 3RB
Diazo brown RW
Diazo brown 3RW
Diazo brown SW
Diazo fast black SD
Diazo fast blue
Diazo fast blue 2BW
Diazo fast blue 6GW
Diazo fast blue 4RW
Diazo fast bordeaux BL
Diazo fast green
Diazo fast green GF
Diazo fast green GL
Diazo fast red
Diazo fast red 7BL
Diazo fast violet
Diazo fast violet BL
Diazo fast violet 3RL
Diazo fast yellow
Diazo fast yellow G
Diazo light yellow 3GL
Diazo green 3G
Diazo indigo blue
Diazo indigo blue 4GL
Diazo indigo blue 4GL, extra
Diazo indigo blue 2R1, extra
Diazo rubin B
Diazo sky blue
Diazo sky blue B
Diazo sky blue 3GI.

(To be continued)

Essential Oils, Aromatic Chemicals

Report of Lemon Consortium in Italy Revived—Spot Peppermint Shaded Slightly — Anise and Cassia Steady — Clove Firm—Java Citronella More Active

Price movements were mainly lacking in the market for essential oils and aromatic chemicals last week. Notwithstanding the not especially active demand reaching the spot, quotations on practically all items showed considerable firmness; enough, at least, to render values stable.

European developments during the period had some relation to the market for these entities. However, since few oils come from the arena in Central Europe, the spectacle of Germany giving the coup de grace to the Austrian Republic was important mainly as being suggestive of what might ultimately happen in Bulgaria. But the Spanish developments were of considerable direct importance on the essential oil market.

A highly successful rebel offensive last week gave rise to the idea that the end of civil war might be in sight. Such a development would free a number of Spanish oils from influences dominant for a long time. No one knows how much oil may be stored in Spain. A resumption of normal commercial contacts direct with the makers would be welcome.

French oils continued to be under the influence of weak exchange and the replacement markets were no firmer. Domestic oils had a fair market for quantities of moderate size and with the exception of peppermint and coriander, prices remained steady. Peppermint was shaded slightly. Coriander was down sharply. Far Eastern oils were quiet, excepting Java citronella, which advanced in a more active market.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Coriander, $1.75 per lb.
Peppermint, natural, 5c. per lb.
redistilled, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
76.8	76.9	77.5	90.3

Market news that may have reveloped after this report was sent to press will be found on page 4.

Essential Oils

Almond.—While trade was not large, it was steady enough to keep market undertones generally firm. The position of sweet oil was rendered still more uncertain by the war developments in Spain during the past week. Stocks on spot were of moderate size.

Amber. — Inquiry was fairly active and the market as a whole had a steady to firm characteristic that was evident in the well maintained quotations prevailing on the spot. The reserve stocks of most sellers were not large.

Anise.—Small lots moved in fair-sized volume and the market as a whole was a steady, well-maintained affair. The position of the primary market was still uncertain since shipments of normal quantities were most unlikely. Local reserves were moderate and in firm hands.

Bergamot.—The market was steady, but not very active. Italian prices were well held by the Consortium and control of values and exports appeared to be successful. However, it was reported that world demand reaching Italy was less than the normal call.

Birch Tar.—Jobbing business was fair. Although most buyers bought close to immediate requirements, the number of such requests contributed substantially to the very steady undertone prevailing locally.

Cajeput.—This article seemed to be neglected last week. Buyers' operations involved hand-to-mouth requirements, and the total volume was small. However, in keeping with the replacement cost of the material, local suppliers continued to maintain a generally steady price level.

Caraway.—Reports from Holland indicated that the acreage cultivated for seed had been reduced, and that ended to provide the oil with what might be termed potential strength. In the meantime, plenty of oil was available in all markets, and values were quiet.

Capsicum (Oleoresin).—The comparatively high cost of raw material was more than sufficient reason for prices on this oleoresin being well maintained. Behind the basic situation, too, was the presence of a very steady consumption of the item.

Cedarleaf.—Sellers declared that present spot quotations lined up well with replacement costs in the country, and also with the absence of excessive stocks in the hands of local dealers. A fair jobbing request prevailed throughout the past week.

Citronella.—Java oil was very firm at the source, and offerings were said to have decreased some. Ceylon oil showed little change, being well offered on spot in quantities entirely sufficient to cover the at present not expansive requirements of manufacturing consumers.

Clove.—All reports indicated that the Clove Growers' Association in Zanzibar intends to maintain prices and prevent the marketing of more spice than the actual requirements of the world. The unsold, accumulated stocks, said to be substantial, will not be dumped. Hence, the position of oil would appear to be firm.

Coriander. — Quotations were shaded to $18 to $19 per pound, a price sufficiently high in view of the fact that $5 per pound was a fair value for the article before the Soviet Union stopped normal exports of oil and oil-bearing seed.

Cypress.—Steady prices and an equally steady demand for normal quantities of this oil prevailed last week. The item has a somewhat restricted interest for consumers, and yet that interest has been well maintained, reacting favorably on prices.

Eucalyptus.—The lower test oil was still competitive, and hence unsettled. Higher test goods, on the other hand, lacked unsettlement and seemed to be definitely firm. As to demand, it has shrunken some in keeping with the season.

Geranium.—Prices were on the low side, so much so that sellers said there was no margin for further shading, notwithstanding the weakness of exchange and its effect on landed cost of further imports. In the meantime a sustained, though jobbing, interest aided in the steady maintenance of prices on spot.

Guaiac.—This concrete was said to be easier in undertone because of more competition having developed in local circles. No open change in quotations was made last week, but the tendency was for sellers to meet reasonable bids.

Lavender.—Weakness in the French franc had an easing influence on import cost of further shipments from the source. However, the savings, if any, were insufficient to affect at once the spot quotations on all qualities of oil. The situation here seemed to be steady.

Lemon.—The markets appeared to be steady. Although it had been thought that the idea of consortium control of prices and sales in Italy had been laid by for the time being, reports from European quarters stated that unofficial statements originating in Rome stated that it has been decided to issue the decree authorizing the Lemon Consortium. The date of effectiveness was not mentioned. This has yet to be definitely and positively confirmed as fact.

Lemongrass.—Until the comparatively large spot stocks of this article shall have been reduced substantially, an improvement in value that replacement cost might warrant can hardly take place. It was a very quiet market on spot last week and quotations remained easy and low.

Lime.—While sellers expect an improvement in movement into consumption when manufacturing consumers protect their early Summer needs, for the time being the desired improvement has been mainly wishful thinking. Plenty of stocks and only small demands kept prices low.

Mustard.—No further reduction in prices on artificial oil was made. Also, a firmer to steadier undertone seemed to prevail and sellers were no longer inclined to continue a competitive attitude toward the market. Replacement costs were firm.

Orange.—Although demand may have gained moderately, the situation was still mainly quiet with stocks ample for more than the current takings of buyers. Replacement costs have been mainly steady in foreign countries and so far as the main manufacturers in this country were concerned, a degree of price stabilization has been secured.

Peppermint.—On occasions spot prices on natural and redistilled have been shaded by 5c. per pound, making the market $2.05 to $2.30 on natural, and

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada 118 WEST OHIO ST. CHICAGO, ILL.

OIL LEMON
ITALIAN, U. S. P. XI
OIL LEMON
TERPENELESS
SCHIMMEL & CO. INC.
601 West 26 St. New York, N. Y.

$2.25 to $2.50 on redistilled material. However, the basic position in the country has not changed sufficiently to indicate a definitely easier situation at the source. Demand was comparatively light locally.

Rosemary. — Spanish developments were being followed closely, since the reaching of a decision in the civil war might mean resumption of more nearly normal commercial relations between Spain and this country. No one knows how much oil may be stored because shipments from Spain have been very difficult.

Wormseed.—The market was being watched closely since the position of unsold oil in the primary market was considered to be one distinctly firm and free from unsettling influences. Export interest in the item was said to be still very good. Spot quotations were very firm.

Essential Oils
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STOCKS CARRIED IN PRINCIPAL CITIES

Aromatic Chemicals

Acetaldehyde.—The aromatic grade of this article sold freely though in moderate quantities on the basis of $2 per pound and the supply was said to be ample in the hands of dealers.

Anethol.—Prices were reported to be very steady. Because of production cost being well maintained, little tendency toward competition prevailed among suppliers. A steady call for moderate quantities aided in the maintenance of prices generally.

Benzaldehyde. — Trade was rather quiet. The movement covered mainly the primary requirements of manufacturing consumers and the volume of such business was mainly conservative. Prices continued to be free from unsettling influences.

Citronellol.—The supply was ample for current needs and hence the undertone of the market was quiet and without signs of new developments for the near future. Pricewise, the market had a very steady position in the absence of much competition.

Ethyl Cinnamate.—A slight gain in inquiry was reported. Several users of substantial quantities were said to have been in the market and a fair amount of firm business resulted in prices being well held at the close of the trading period.

Eucalyptol.—Some said that the market showed signs of unsettlement because of the recently competitive position of lower test raw material. Also, demand has not been up to normal of late and that has had a tendency to create easier undertones, it was said.

Geranyl Acetate.—Business was not large but it came steadily to the spot in a volume that tended to keep values firm in all quarters. Stocks were said to be about normal in size.

Heliotropin.—Competition was rather keen and although open quotations were unchanged, they seemed to be unsettled in some measure. The competition appeared to be between domestic and imported goods.

Linalyl Acetate.—Although routine in variety, the movement was still very good and prices showed firmness and lack of unsettling competition throughout the entire week. Stocks could cope with any reasonable expansion in consuming demand.

Linalool.—Business was less active. Larger buyers were aloof and the smaller users' requirements were not normal in size. However, the market continued to display a steady undertone and prices held.

Musk.—The situation has changed very little. Competition for business in domestic and imported synthetic material was keen enough to render prices indeterminate and mainly nominal; firm orders in hand were required definitely to establish values.

Phenylethyl Acetate.—A routine business was reported but the market continued to display a steady quality that was evidence of an absence of more than limited competition between suppliers. First costs tended to hold spot values well stabilized.

Safrol.—Domestic goods were firmly held in sympathy with the cost of production. Manufacturing consumers were in the market for moderate amounts and business was done on the basis of prices fully steady. Stocks were said to be sufficient to cover an expanding need.

Skatol.—At $75 to $80 per pound, the market was firm but inert. Sales were very small, yet compared well with those prevailing for some time past.

Terpineol.—A slight gain in sales was noted. Also, more inquiry was evidence that the small volume of trade recently had been productive of a steady dwindling of reserves held by buyers for consumption. Quotations were said to be very steady.

Emptage Sales Manager For Pickford Cosmetics

Harold J. Emptage has been named vice president of Mary Pickford Cosmetics, Inc. Emptage resigned from the Jergens, Woodbury Sales Corporation after having been associated with that company for seventeen years, the last seven of which he was sales manager. Mr. Emptage will make his headquarters in this city.

M.M.&R. Appoints Tribble Chicago Manager

Magnus, Mabee & Reynard, Inc., essential oils and aromatic chemicals, this city, has appointed Talmadge B. Tribble general manager of the midwestern area with headquarters in Chicago. Mr. Tribble was formerly sales manager of the New York division for Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, Pa. Previously Mr. Tribble had been selling in the southern, eastern and midwestern States as well as training salesmen and lecturing for that organization. This appointment is in line with the plans of Magnus organization to increase the scope of the Chicago branch and to enlarge the territory which it covers. The Chicago sales staff will be augmented by the addition of several more salesmen to the force already there. The address in Chicago will remain 444 West Grand avenue and will serve as headquarters for the midwestern area.

Essential Oils Project Urged in Los Angeles

An experimental project to grow flowers which produce the essential oils necessary for the manufacture of perfume on a commercial basis, has been urged by a civic committee of Alondra Park, near Los Angeles, California. The committee has urged the board of supervisors to appropriate $25,000 for the project. The county appropriation is necessary if $100,000 is to be obtained from the Federal government as a Works Progress Administration grant, according to Monroe Kidder, perfume expert and proponent of the plan.

Pierce & Co. Reorganizing

Following a filing of a petition by the F. O. Pierce Company, paint manufacturer, Brooklyn, for reorganization under section 77B of the bankruptcy act, the Federal District Court issued an order March 12 directing the present management headed by its president, Dewey L. Pierce, to continue the operation of the company. The court further ordered that a plan be presented for the reorganization of the company within the next few weeks. This plan will consist of a reorganization of the capital structure and it now is being prepared. Mr. Pierce stated that the sale of the corporate assets of the company is not contemplated, and stressed the fact that the company is continuing its sales policies, production, and delivery as heretofore.

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Petroleum Solvents, Lubricants, Fuels

Naphthas and Solvents Prices Hold in Eastern Refineries—Buying Livlier Anticipating Freight Rate Increase—Gasoline Stocks at Another High Record

The bulk market position for petroleum solvents and naphthas in the Eastern seaboard sector has not reflected the recent break in the prices at the Midcontinent. For a while it appeared as though the tankcar prices in the East would follow the Midcontinent downward, but a substantial increase in delivery orders which started toward the end of the preceding week and which continued through last week, strengthened the market somewhat. The increase in takings was because of an endeavor on the part of buyers to anticipate the increase in rail freight rates which were recently approved by the I. C. C. and which take effect on March 28. Reports from the Midcontinent sector indicate that the refiners there now feel that the recent break in naphtha prices was too severe, and some are looking toward a recovery of some of the recent price loss.

Wax continued in a weak position, and scale was offering at lower prices. Other refined petroleum products used as industrial raw materials did not show much of a change from their appearance of a week ago.

Basically the petroleum market did not register much improvement. Producers have not cut down well flow, and the stocks of gasoline in storage continued upward, reaching another new all-time high record of 93,084,000 barrels for the week ended March 12. Gasoline shipments from the Southwestern refineries were heavier, and, while some thought that the increase might indicate the commencement of the seasonal bulge in consumption, it was regarded in other quarters as a movement that was sponsored in an effort to "beat" the coming increase in rail freight rates.

The daily average production of crude oil in United States for the week ended March 12 was 3,382,100 barrels, an increase of 42,400 barrels over the preceding week, according to the estimate of the American Petroleum Institute. The average for four weeks ended March 12 was 3,353,450 barrels, and the average at this time a year ago was 3,372,000 barrels. Runs of crude oil to stills for the week ended March 12 were reported to the A. P. I. by companies controlling 89 percent of the nation's refinery capacity as having averaged 2,821,000 barrels for 76.2 percent of refinery operation. And, according to the A. P. I., 279,000 barrels daily were sent to stills unreported for a total estimated daily average of 3,100,000 barrels, against 3,130,000 barrels during the preceding week. The Bureau of Mines report on January production of crude showed a decline from December, having averaged 3,419,000 barrels daily, against 3,438,000 barrels in December and 3,179,600 barrels in January, 1937.

Solvents and Diluents

Reports from the Midcontinent indicate that some of the refiners feel that the recent slash in bulk prices was too drastic and that there may be some attempt to recover some of the recent price loss. In the meanwhile the Eastern market has held aloof from the influences of the Midcontinent market reduction and while it had appeared as though bulk prices here would be reduced, a substantial pick-up of tankcar business occurred toward the end of the preceding week as buyers sought to order supplies out in advance of the freight rate increase which takes effect on March 28. Business continued fairly good through last week, according to Eastern sellers.

Cleaners' Naphthas.—There has been no change in the Eastern bulk market prices and the Midcontinent market held an unchanged position at the recently reduced basis of 6⅜c. to 6½c. per gallon for tankcars, f.o.b. Group 3.

Lacquer Diluent. — Midcontinent refiners continued to offer tankcars at the basis of 7⅜c. per gallon, f.o.b. Group 3. This was the figure established at the time of the recent 1c. per gallon reduction. Reports from the Midcontinent sector indicated that some of the refiners now felt that the recent slash in prices was too severe.

Petroleum Thinners. — The Eastern market was fairly active by comparison with the dull trade of recent weeks. Many tankcar buyers were taking supplies in before the effective date of the freight rate increase recently authorized by the I.C.C. The Eastern market for tankcars was posted at 9c. to 9½c. per gallon, basis refinery. The Midcontinent tankcar market was based at 5⅜c. per gallon, f.o.b. Group 3.

Rubber Solvents.—The Akron tire manufacturers continued to buy lightly. The tankcar movement from the Midcontinent has not improved much although some additional purchasing might be witnessed this week in an endeavor to anticipate the increase in freight rates which become effective March 28. The Midcontinent price was based at 6⅜c. per gallon for tankcars, basis Group 3.

Stoddard Solvent.—The market held an unchanged position at the Midcontinent and East Coast refineries. The Eastern market has not reflected the recent break in the Midcontinent prices.

V. M. & P. Naphthas. — Conditions here were similar to those surrounding other solvents. The Eastern bulk market has held aloof from the influences of the recent reduction in the Midcontinent. And sales were larger last week as the buyers sought to anticipate the rail freight increases which become effective next Monday. The Midcontinent bulk price was 6⅜c. per gallon, basis Group 3.

Markets at Other Centers

Chicago, Mar. 17.—Feeling was reported moderately good in petroleum solvents and diluents as regards the outlook. After the recent reduction in tankcar prices, demand tended to level out in fairly good shape. Tankwagon deliveries are reported holding up quite well at least in some lines. Ruling prices in tankcar lots except as noted are (tankcar prices, f.o.b. Group 3, Oklahoma) :—Blending naphtha, 4⅛c. to 4¼c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.2c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; 15.9c., tankwagon; V. M. & P. naphtha, 6⅜c. to 6½c., tankcar; 16.2c., tankwagon.

Tulsa, Mar. 17.—Many of the refiners here feel that the recent reductions in price were too severe and prices are now too low. There may be an attempt to raise quotations in the near future.

Lighter Fractions

The recent revision in the price schedules was the first change in some time and the prices seemed to be holding on a very steady basis at the new levels. The changes which were reported here a week ago were not basic and were principally adjustments in the drumcar prices.

Butanes.—The market for 16-34 degree material in tankcar lots was posted by a leading producer at 3¾c. per gallon, f.o.b. Group 3.

Heptanes.—As reported a week ago the schedule is now as follows:—77-115 degree material in tankcars 8½c. per gallon; drumcars 11c. per gallon; and l.c.l. 16c. per gallon. The 86-100 degree material in tankcars, 9½c. per gallon; in drumcars, 11½c. per gallon; and l.c.l. 17c. per gallon. Laboratory grades were 14c. per gallon in drumcars and 25c. per gallon in less car lots. All of these prices were basis Group 3.

Hexanes. — Laboratory grade was priced at 14c. per gallon for drumcars and 25c. per gallon for less car lots. Tankcars of the industrial grade were priced at 10½c. per gallon while drumcars were 12½c. per gallon and l.c.l. quantities 17c. per gallon. These prices were also f.o.b. Group 3.

Petrolatums and Waxes

White Mineral Oils.—The price structure seemed firm at the recently reduced levels. There was not a great deal of business done, but the contract withdrawals were reported somewhat better in spots. Exports of white mineral oils in January totaled 101,177 gallons valued at $44,115, according to the Department of Commerce. The United Kingdom was the leading taker with 38,748 gallons; Australia took 26,557 gallons.

Paraffin Waxes.—Scale wax was a little weaker last week. Offering prices of 1.95c. per pound for either 122-124 or 124-126 American were frequently reported around the market and there were reports of some offering out of Pennsylvania at 1.90c. per pound. There was not much business in domestic or export channels. Fully refined wax continued unchanged. January production of wax was 41,720,000 pounds against 43,120,000 pounds in December and 41,720 pounds in January last year; domestic demand totaled 32,148,000 pounds in January against 21,623,000 pounds in December and 29,160,000 pounds in January last year; end-of-month stocks were 145,629,000 pounds in January against 144,992,000 pounds in December and 107,490,000 pounds in January last year.

CHICAGO, March 17.—Trade in refined paraffin wax continues moderate. Buying is coming in at a rate which apparently is matching the supplies offered, and equilibrium seems to be fairly well established. Inquiries are still good. Some foreign inquiries are reported. Ruling prices are:—122-124 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, March 17.—No further weakness has developed in scale wax and it is believed that current quotations will hold. The 124-26 grades range from 2.05c. to 2.20c. per pound in barrels and 1.80c. to 1.90c. per pound in tankcars.

Petrolatum. — Export inquiries came into the market in good style again, evidently as a result of the crisis in central Europe. Domestic accounts were light buyers. Prices continued unchanged and seemed quite steady. January exports of petroleum jelly, according to the Department of Commerce, totaled 2,255,004 pounds valued at $98,820. United Kingdom was by far the largest buyer with Belgium the second largest. Oriental shipments were also large.

Outputs and Quotas

A comparison of Bureau of Mines calculations for March production, State allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended March 12 follows:—

	B. of M. Dept. of Int. calculations.	*State allowable.	Estimated output.
Oklahoma	547,700	475,000	526,100
Kansas	176,700	169,529	173,100
Texas	1,344,900	†1,493,173	1,296,500
Louisiana	239,400	244,130	255,800
Arkansas	38,200	.....	48,900
Eastern	129,200	.....	138,800
Michigan	51,600	.....	53,500
Wyoming	46,400	.....	47,500
Montana	13,300	.....	12,200
Colorado	4,500	.....	3,100
New Mexico	105,100	.....	104,900
California	694,600	.....	727,700
Totals	3,391,600	.....	3,382,100

* Complete details on March State allowables not yet available.

† Allowable effective first of month. Sunday shut-downs continued throughout March, except in Texas portion Rodessa field.

Fuels and Lubricants

The refined oil market drifted through last week in a soft position. There was not much change from a week ago. The shipments from refinery points are likely to improve this week as many buyers intend to order material in prior to the effective date of the freight rate increases which were recently approved by the Interstate Commerce Commission. Kerosene was offered cheaper. Bunker and Diesel oils held at the recently established levels.

Market Conditions

Gasoline.—The nominal position of the market for 65 octane motor fuel remained at 6½c. per gallon in tankcar lots, basis refinery. The character of the market was soft and did not show any material change from its position of recent weeks. Gasoline stocks mounted further to another new high record of 93,084,000 barrels against 92,151,000 barrels in the preceding week and 79,666,000 barrels at this time last year, according to the A.P.I. estimates. There was not much jobber interest although this week's movements are expected to be larger as buyers may anticipate the freight rate increase which becomes effective next Monday. Export prices for gasoline at the Gulf were as follows:—U. S. motor, 4¾c. per gallon; 60-62, 390 e.p., 4¾c. per gallon; 60-62, 400 e.p., 4¾c. per gallon, and 64-66, 375 e.p., 4¾c. to 4⅞c. per gallon. January motor fuel production was 47,681,000 barrels against 47,629,000 barrels in December and 44,681,000 barrels in January last year; domestic demand was 35,176,000 barrels against 39,457,000 barrels in December and 33,696,000 barrels in January last year; stocks of finished gasoline were 79,,114,000 barrels against 69,892,000 barrels in December and 64,293,000 barrels in January last year; stocks of natural gasoline were 4,951,000 barrels against

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline was more active and a little stronger at the refineries.

	Mar. 18	Mar. 11	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.305	$1.305	$1.376
Gasoline prices at refineries (at four refining centers) per gallon	.048125	.048125	.05375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938 Jan. 1-Mar. 19	1937 Jan. 1-Mar. 19
Commercial crude oil production	262,749,000	252,165,000
	Week ended Mar. 19, 1938	Week ended Mar. 20, 1937
Daily average production	3,369,100	3,364,100
	Week ended Mar. 12, 1938	Week ended Mar. 5, 1938
Estimated motor fuel stock total	93,084,000	92,151,000
Estimated finished motor fuel stock at refineries	60,218,000	58,967,000

4,758,000 barrels in December and 4,032,000 barrels in January last year.

Kerosene.—The market was weaker last week and offerings of 41-43 water white material in tankcars were freely made at 5¾c. per gallon, basis refinery. This was ¼c. per gallon lower than the nominal market price of a week ago. The consumption has been light through the past few weeks. Export business was small and prices at the Gulf remained at 4½c. per gallon for prime white and 4¾c. per gallon for water white. January production was 5,638,000 barrels against 5,809,000 barrels in December, and 5,923,000 barrels in January last year; domestic demand was 5,360,000 barrels against 6,420,000 barrels in December and 5,297,000 barrels in January last year. End-of-month stocks totaled 6,523,000 barrels against 7,083,000 barrels in December and 5,622,000 barrels in January last year, according to the Bureau of Mines.

Fuel and Gas Oils.—There has been no further change in heavy oils since the recent reductions to $1.95 per barrel for Diesel oil and $1.15 per barrel for bunker C oil, basis terminals. Prices for heating oils were unchanged. January output of residual fuels was 26,204,000 barrels against 26,808,000 barrels in December, and 25,433,000 barrels in January last year; domestic demand for all fuels was 37,786,000 barrels against 43,464,000 barrels in December and 42,975,000 barrels in January last year; stocks were 98,434,000 barrels against 95,019,000 barrels in December and 83,276,000 barrels in January last year.

Lubricating Oils.—Pennsylvania oils were very quiet. Regular pour bright stocks were offering at 19c. to 19½c. per gallon, including tax, which was a little cheaper than formerly. Neutrals and cylinder oils were unchanged. January production of lubricants totaled 2,785,000 barrels against 2,936,000 barrels in December, and 2,649,000 barrels in January last year; domestic demand totaled 1,471,000 barrels against 1,489,000 barrels in December and 1,683,000 barrels in January last year. End of month stocks were 8,006,000 barrels against 7,512,000 barrels in December and 6,788,000 barrels in January last year.

Markets at Other Centers

Tulsa, Mar. 17.—Whether the beginning of a higher level of gasoline consmuption was inaugurated or the increased activity merely represented a buying flurry due to the quietness of the previous 10 days and the fact that freight rates will be increased was a moot question in the refined oil markets of the Mid-Continent field. Nevertheless, there was an important increase in trading and also a substantial lift in prices. U. S. motor third grade was ⅜c. higher in some spots although the general rise was about ¼c. The higher octanes which had been selling at a larger differential than normally were up ⅛c. per gallon. Natural gasolines held their prices this week and the trading fell off somewhat. The remainder of the market did not participate in the strength of the motor fuels.

Operations in the refineries were probably curtailed further although definite figures are not available this week. This belief arose from the fact that the surplus of crude oil production does not appear to diminish despite the additional curtailment of well production. The uncertainty in the crude oil market still remains. However, the increased demand for motor fuels, if sustained may mitigate the depressive influence on the raw materials. Crude oil marketers see the possibility of being able to hold prices if buying continues on the present scale.

GASOLINE.—U. S. motor was quoted at 4⅛c. per gallon at the lowest in the resale spot market up ⅜c. The octanes were moving almost at one price regardless of grade in the resale spot market, although important refiners recognized the differential. This situation was due more to the spontaneous buying outburst which immediately prevented some outlying refiners from adjusting their prices upward. A large volume was moved at 4⅝c. per gallon. The general quotations are:—U. S. motor (third grade), 4⅛c. to 4¼c. per gallon; 63-67, 4¼c. to 4½c. per gallon; 67-69, 4½c. to 4⅝c. per gallon, and the 70-72 4⅝c. to 4⅞c. per gallon.

KEROSENE.—No change developed, with 42-44 grade at 4⅛c. to 4½c. per gallon. However, tractor distillates were moved up ⅛c. per gallon by several refiners making the 43-45 grade 4⅜c. per gallon and the 46-50, 4½c. per gallon.

DISTILLATES.—There was no changes in quotations with the demand still remaining fairly active. Prices were unchanged.

Chicago, Mar. 17.—Trade in the tankcar gasoline market has taken a turn for the better and along with larger orders, prices once more are moving upward. This is the first time a general improvement in gasoline prices has been recorded in many months. Supplies offered on the open market have become so restricted that any buying is tending to stiffen them. Now some buyers want to get their orders in ahead of freight rate increases. Kerosene is quiet, but tractor fuel is brisker. The heating oils are easing off noticeably with the tapering of the demand. Heavy industrial fuels have not improved in price, although sellers speak more hopefully. Lubricating oils are steady.

GASOLINE.—Low octane motor, 4¼c. to 4⅜c. per gallon; 63-66, 4½c. to 4⅝c.; 67-69, 4¾c. to 5c.; 70-72, regular, 5⅛c. to 5⅜c.; 60-62, 400 endpoint, 4¼c. to 4⅜c.; 64-66, 375, 4¾c. to 5c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅜c. to 4⅝c. per gallon; 41-43, water white, 4½c. to 4⅝c.

FURNACE OIL.—Range oil, 4c. to 4¼c. per gallon; No. 1 prime, 3⅞c. to 4c.; No. 1 straw, 3¾c. to 3⅞c.; No. 2 straw, 3⅝c. to 3¾c.; No. 2 dark, 3½c. to 3¾c.; No. 3, 3⅜c. to 3⅝c.; 32-36, dark, industrial gas oil, 2⅞c. to 3c.

FUEL OILS.—No. 4, $1.07½ to $1.12½ per barrel; No. 5, 72½c. to 80c.; No. 6, 60c. to 70c.

New Orleans, Mar. 15.—A ⅛c. increase was noted on some grades of gasoline last week. U. S. motor gasoline was quoted at 5⅝c.; below 62 octane at 5⅜c., showing an increase of ⅛c. on these two grades.; 63-67 octane was quoted at 5⅞c., and 68-70 octane at 6⅜c.—all at refinery.

Kerosene continued firm at a price of 7½c. per gallon at refinery.

Bunker C fuel oil was quoted at 85c. per barrel at terminal and 90c. per barrel delivered alongside

Japanese Studying U.S. Oil Practices

That, in its commercial and naval petroleum facilities, Japan will adopt the modern machinery and practices of United States oil refineries and marine loading terminals is indicated by the recent arrival at Los Angeles of a group of technical experts from Japan to make a complete survey of the structures and equipment with which American refineries and marine oil-loading terminals are implemented.

In the group which arrived from Yokohama March 11 on the tanker, "Ogura Maru," were Akura Ogura, son of Fusazo Ogura, president of the Ogura Oil Company, Tokio, and mechanical engineer for the concern's several refineries; and Sensuke Moriya, chemical engineer for the Ogura interests. They left directly for Philadelphia to begin a two months' study of oil refineries in the North Atlantic area. They will then return to Los Angeles to conduct a like survey of Pacific coast plants and equipment.

When they left for Philadelphia, they were joined by Shiro Yamaguchi, Oriental manager for the Sharples Specialty Company, originator and patentee of the Sharples centrifugal system of refining.

In southern California, Kosaku Kudo, chief engineer of the Japanese navy's oil depot and refineries at Tokuyama, has been engaged in an exhaustive study of petroleum production, refining, storage, and shipping practices. Mr. Kudo was scheduled to return to Japan from San Francisco aboard the "Titibu Maru," March 17.

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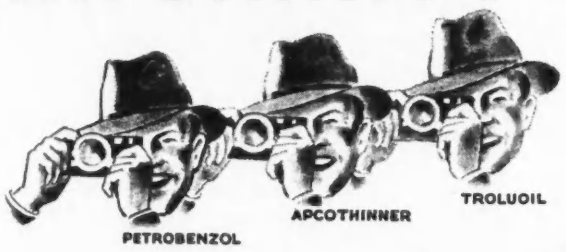

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Fertilizer Materials

Trade Shows Small Improvement — Farm Control Law Confuses —Chesapeake Fish Futures Booked — February Tag Sales Off 9 Percent in South

There was not much of an improvement in the movement of mixed goods or in the sale of raw materials to the Southern trade last week. It had been hoped that things would move faster after the recent farm vote on the crop control act but such has not been the case so far. There is still a good deal of confusion over the intricacies of the act and leaders in the fertilizer industry seem to be just as much in the dark as anyone else. The N. F. A. digest of the act is anxiously awaited.

The week's outstanding development in a price way was the news that operators in Chesapeake menhaden scrap were offering futures and up to the time of this writing had booked some 1,500 tons on a when-and-if-made basis at a price that was fifty cents a ton lower than the opening price last season. Other price developments of the week were confined to the organic products. Foreign organics were cheaper on the crisis in central Europe as some of the shippers abroad sought to convert their holdings into cash.

Trade interests awaiting the President's promised message on the world phosphate situation but who are inclined to look at it principally in its political light, believe that the TVA controversy has side-tracked further Administration activity in that field.

Fertilizer tag sales in February were off from the sales in February last year, totaling an equivalent 759,813 tons for 17 states against an equivalent of 806,002 tons in February, 1937, sales. Sales for the combined January-February period were 1,228,153 tons in 1938, against 1,244,328 tons in 1937. Details of February sales are shown in the accompanying table.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Tankage, dom., Chicago, feed grade, 10c. per unit-ton.

Reduced

Blood, import., 5c. per unit-ton.
Bone, steamed, import, 1 & 65-70, 50c. per ton.
Dicalcium phosphate, precip., import., 1c. per unit-ton.
Fish scrap, Japanese sardine, spot, 50c. per ton.
Nitrogenous material, import., 10c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	64.0

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—There was a definite improvement in the volume of material ordered out against contracts, but the aggregate moved out of sellers' port warehouses during the week was not very large and the tonnage shipped was far less than that moved at this time a year ago. While last week's improvemnt was possibly due to the coming increase in freight rates, the expected farm approval of the marketing provisions of the control act has been accomplished and nitrate should move a little faster now. On the other hand, there is still a lot of confusion over what the new act means and the season, which is already late, may be retarded further. Nitrate prices continued firm and at the schedule. Imports of Chilean material in January totaled 75,109 long tons, according to the Department of Commerce. January exports of "other nitrogenous chemicals" which are believed to be chiefly nitrate of soda, totaled 27,688 tons, of which France was the leading buyer, having taken 17,405 tons.

Sulphate of Ammonia.—There was a little better movement in certain sections. The supply situation was generally comfortable and the sellers of sulphate were looking for buyers to the goods. Pricewise, things were firm. Operations at the steel mills were improved somewhat last week. Sulphate exports in January were only 4,202 tons, while shipments to Hawaii and Puerto Rico totaled 3,125 tons. Department of Commerce statistics for 1937 showed that sulphate shipments from United States to Puerto Rico totaled 68,812 long tons against 57,480 tons in 1936, while the shipments to Hawaii totaled 31,598 long tons against 20,162 long tons in 1936. Sulphate imports for consumption in United States for the months of January totaled 6,344 long tons, of which 3,680 tons came from Canada and the remainder from the Netherlands.

Dried Blood.—There was not much life in the market. Importers asked $3.20 per unit for shipment from abroad, which was 5c. cheaper than a week ago. Local suppliers in New York continued to ask $3.10 per unit, but there has been no business done at that basis. The Chicago market was generally quoted at $3.10 per unit with some grades offering at $3 per unit.

Castor Pomace.—The market continued at $21 per ton for either foreign or domestic. The former was c.i.f. for shipment, while the domestic was offered f.o.b. producing point. Domestic factors were unable to offer anything for shipment this month and the price was for April position.

Fish Scrap.—Chesapeake bay operators commenced booking menhaden scrap futures last week, offering contracts on a when-and-if-made basis at $3 and 10c. per unit-ton, f.o.b. factory. Up to the time of this writing, 1,500 tons were booked. The price was 50c. per unit-ton cheaper than the opening figure last season. Fishing, of course, is some time off. The drop in Japanese yen values did not have any immediate effect upon the position of Japanese sardine meal, which was offering without any buying response at $45.50 per ton for shipment from abroad basis c.i.f. The spot or nearby price was lowered 50c. per ton to the basis of $45.50 per ton, New York, with other ports a little higher.

Nitrogenous Material.—Imported material was offered cheaper at $2.50 per unit c.i.f. for shipment, against $2.60 per unit a week ago. Baltimore reported offerings at $2.40 per unit. The Eastern domestic producers continued to quote $2.75 per unit, according to latest reports. Western prices were unchanged from a week ago. Southeastern buyers of Western nitrogenous might anticipate their needs af a saving because of the coming increase in rail freight tariffs.

Tankage.—There is very little buying interest from feeders or fertilizer people. Imported material was unchanged in price and the local holders of domestic stocks also continued to quote the prices that were named a week ago. The lone change in the market was an advance in the price of feeding grade in Chicago which was marked up from $2.90 and 10c. per unit ton to the basis of $3 and 10c. per unit ton.

Potashes

Some of the sellers were able to report a slight improvement in the market by virtue of some spot buying but the tonnage involved was very small. As reported previously, many buyers overestimated their needs at the beginning of this season and were forced to cancel some of their early commitments. Pricewise, the market was steady, and the tonnage available in selling quarters as the result of some of the contract cancellations have not pressed on the market. Imports of potash materials in January totaled 48,083 short tons against 125,360 short tons in January of last year.

Phosphates

Phosphate materials continued in a quiet position. Importers of precipitated dicalcium phosphate endeavored to book business at a little cheaper price while importers of 1 and 65-70 steamed bone also offered material at a slightly lower figure. These were the only two price movements during the week. The phosphate rock rail freight increase hearings in Tampa a week ago were halted after the roads withdrew their petition for the increase following the I.C.C. decision of approval for an increase in general rail freights.

Superphosphate.—The market's position was an orderly one. The supply side of the market was topheavy in some directions because of the small volume moved toward consumption in the past several weeks. However, the prices were being held in a firm position. The Department of Commerce figures for January showed production at 374,142 tons of bulk and 17,547 tons in wet base and mixed goods while shipments during the month totaled 183,458 tons. Stocks of bulk super at the end of January were 1,342,186 tons against 1,313,327 tons at the end of December and 1,125,576 tons at the end of January last year.

Bone Materials.—Imported precipitated dicalcium phosphate was offered for shipment at 79c. per unit against 80c. per unit a week ago. Importers of steamed bone testing 1 and 65-70 percent were offering for shipment at $21 per ton against $21.50 per ton a week ago.

Fertilizer Tag Sales: February

	Equivalent tons*							
	February				January-February			
	P.C. of 1937.	1938.	1937.	1936.	P.C. of 1937.	1938.	1937.	1936.
South—								
Virginia†	92	52,005	56,345	37,727	104	100,069	96,547	57,623
North Carolina	91	140,014	154,009	100,315	93	248,120	265,932	198,883
South Carolina	81	110,146	136,905	99,800	86	173,944	201,118	143,550
Georgia	98	151,965	155,766	124,685	91	186,415	202,902	167,660
Florida†	92	53,921	58,570	40,991	103	131,698	127,773	103,096
Alabama	87	74,100	85,400	60,050	95	106,200	111,850	82,200
Mississippi	105	28,076	26,823	33,225	98	57,981	59,010	48,475
Tennessee†	120	17,792	14,776	12,275	127	21,713	17,076	14,750
Arkansas†	116	18,000	15,500	7,826	128	27,850	21,750	14,476
Louisiana†	76	28,055	36,822	13,745	106	51,188	48,467	31,369
Texas†	86	17,841	20,835	14,285	105	31,531	30,070	23,885
Oklahoma	92	1,940	2,105	1,800	122	4,650	3,805	2,550
Totals, South	91	693,855	764,356	546,724	96	1,140,359	1,186,300	888,517
Midwest—								
Indiana	287	38,438	13,377	10,294	210	42,463	20,240	12,673
Illinois	...	2,600	.....	5,568	112	4,675	4,175	8,824
Kentucky	55	13,908	25,388	7,513	97	27,278	28,151	12,493
Missouri	321	8,417	2,626	2,446	207	10,693	5,162	11,069
Kansas	1,018	2,595	255	300	895	2,685	300	315
Totals, Midwest	158	65,958	41,646	26,121	151	87,794	58,028	45,374
Grand totals	94	759,813	806,002	572,845	99	1,228,153	1,244,328	933,891

* Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various states.

† Cottonseed meal sold as fertilizer included.

‡ Excludes 11,450 tons of cottonseed meal for January-February combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

(Compiled by the National Fertilizer Association)

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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Sulphur and Pyrites

As reported previously, the I.C.C. decision of approval for an increase in rail freight rates has not had much of an affect upon the movement of sulphur as most of the sulphur transported from the mining areas moves by water. March business in sulphur has not improved much over the slow months of January and February.

Markets at Other Centers

Atlanta, Mar. 16.—The fertilizer material situation is characterized as a puzzle. At present the market is dull, this too in spite of the 10 percent increase in freight rates on fertilizer materials to take effect on March 28.

—Continued on page 63

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1 dm, S H Dorf & Co, American Banker, London
PEANUT OIL—50 dms, Spaarndam, Rotterdam
PHOSPHORIC—1 pkg, Continam Shipping Co, American Banker, London
SOYBEAN OIL—60 bbls, Volendam, Rotterdam
STEARIC—22 bgs, Binney & Smith, Spaarndam, Rotterdam
25 bgs, Jungmann & Co, Spaarndam, Rotterdam
88 bgs, M J Corbett & Co, Volendam, Rotterdam
ADEPS LANAE—98 bbls, C Tennant Sons & Co, American Importer, Liverpool
AGAR AGAR—10 bls, T M Duche & Sons, Myoko, Kobe
35 bls, Mitsui & Co, Myoko, Kobe
ALBUMEN, EGG — 34 cs, Chase National Bank, Anna Maersk, Shanghai
71 cs, Anna Maersk & Co, Anna Maersk, Shanghai
33 cs, Paul A Dunkel & Co, Anna Maersk, Hongkong
45 cs, Consumers Import Co, Anna Maersk, Hongkong
VEGETABLE—46 cs, Volkart Bros, Hansa, Bremen
ALUMINUM CHLORIDE, COLLODIAL—20 dms, General Aniline Works, Volendam, Rotterdam
LEAF—23 cs, Rohner, Gehrig & Co, Bremen, Bremen
AMMONIA, SULPHATE—500 bgs, Bradley & Baker, Spaarndam, Rotterdam
350 bgs, Synthetic Nitrogen Prod Corp, Stavangerfjord, Berlin
ANNATTO SEED — 200 bgs, D Steengrafe, Quirigua, Kingston
ANTIMONY—3 bgs, 330 lbs, General Engineering Co, Extavia, Istanbul
ARROWROOT—600 bbls, 150 bgs, Morningstar-Nicol, Ingrid, St Vincent
328 bgs, Morningstar-Nicol, Fort Townshend, St Vincent
ASBESTOS—2,435 bgs, Barbarigo, Genoa
ASPHALT — 86 cs, Wedeman & Godknecht, Hansa, Hamburg
1,009 cakes, Hansa, Bremen
330 bgs, A V Berner & Co, Yucatan, Havana
900 tons, 44 bbls, 1,902 dms, Manaqui, Trinidad
MINERAL—315 bgs, Central Comm Co, Seatrain New York, Havana
BALSAM—2 cs, Haiti, Cristobal
5 cs, W R Grace & Co, Santa Clara, Cristobal
BARYTES—600 bgs, 66,000 lbs, Whittaker, Clark & Daniels, Barbarigo, Genoa
BAY RUM—1 cs, J T Martin, San Juan, San Juan
BISMUTH—150 cs, Cerro de Pasco Copper Corp, Santa Clara, Callao
BONES—1 car, Geck Trading Corp, Seatrain New Orleans, Havana
1 car, Geck Trading Corp, Seatrain New York, Havana
BONE MEAL — 2,000 bgs, Western Prince, Buenos Aires
500 bgs, Norderney, Buenos Aires
BRISTLES—13 cs, 52 pkgs, Hansa, Hamburg
6 cs, Globe Shipping Co, Hansa, Hamburg
4 bbls, Spaarndam, Rotterdam
35 cs, American Banker, London
51 cs, F W Von Stade, Anna Maersk, Kobe
30 cs, N Wagman, Anna Maersk, Shanghai
50 cs, H Rosenhirsch, Anna Maersk, Shanghai
55 cs, Barber S S Line, Anna Maersk, Shanghai
10 cs, Koo Chin Lee, Anna Maersk, Hongkong
BRONZE POWDER—2 cs, B F Drakenfeld & Co, Bremen, Bremen
2 cs, Hamilton Forwarding Co, Hansa, Bremen
CADMIUM LITHOPONE — 1 bbl, Wishnick-Tumpeer, Drottningholm, Gothenburg
CALCIUM CYANIDE—78 cs, American Cyanamid & Chem Co, Westernland, Antwerp
CAMPHOR—150 cs, F W Woolworth Co, Kunikawa, Kobe
CARAWAY SEED — 100 bgs, 11,000 lbs, E E Marks & Co, Spaarndam, Rotterdam
200 bgs, 22,000 lbs, R L Friedler, Spaarndam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Volendam, Rotterdam
CARDAMOM—2 cs, American Express Co, American Banker, London
CASSIA—650 bls, Royal Bank of Canada, Anna Maersk, Hongkong
200 bls, Wah Young Co, Anna Maersk, Hongkong
20 bls, Anna Maersk, Hongkong
BUDS—75 cs, Wah Young Co, Anna Maersk, Hongkong
CASTOR BEANS—6,600 bgs, L Dreyfus & Co, Bencas, Parnambuco
5,100 bgs, Baker Castor Oil Co, Paraguay, Bahia
15,710 bgs, Ayuruoca, Santos
6,731 bgs, Baker Castor Oil Co, Ayuruoca, Rio de Janeiro
1,200 bgs, Ayuruoca, Rio de Janeiro
1,694 bgs, Ayuruoca, Bahia
CHALK—200 bgs, Westernland, Antwerp
BLOCK—2,480 tons, Taintor Trading Co, Songdale, London
515,000 kilos, Taintor Trading Co, Independence Hall, Dunkirk
CHAMOIS SKINS—5 cs, Chase National Bank, President Harding, Havre
CHEMICALS—25 bbls, Universal Carloading & Distributing Co, Svaneholm, Gothenburg
5 cks, Stanley Doggett, Bremen, Bremen
2 cs, Bremen, Bremen
10 cs, 10 dms, Michel Export Co, Black Hawk, Rotterdam
50 dms, American Cyanamid & Chemical Co, Black Hawk, Rotterdam
100 bgs, 50 bbls, Philipp Bros, Black Hawk, Antwerp
100 bgs, 40 cks, Industrial Sales Corp, Black Hawk, Antwerp
1,016 bgs, Advance Solvents & Chemical Co, Hansa, Hamburg
22 cks, 20 cs, Hansa, Hamburg
5 cs, Lo Curto & Funk, Hansa, Hamburg
21 cs, Schimmel & Co, Hansa, Hamburg
15 dms, Innis, Speiden & Co, Hansa, Hamburg
5 cs, I T Baker Chemical Co, Hansa, Hamburg
12 cs, Jungmann & Co, Hansa, Hamburg
50 balloons, 60 dms, Hansa, Hamburg
CHEMICALS—11 cks, Hummel Chemical Co, Hansa, Hamburg
50 dms, Robinson-Wagner Co, Hansa, Hamburg
25 cs, Hensel, Bruckmann & Lorbacher, Hansa, Hamburg
2 cs, Hensel, Bruckmann & Lorbacher, Hansa, Bremen
2 kegs, 4 crbys, 10 dms, 3 cs, Pfaltz & Bauer, Hansa, Bremen
40 cs, Sherka Chemical Co, Spaarndam, Rotterdam
5 bbls, C Brunnig, Spaarndam, Rotterdam
160 dms, 1 ck, American Cyanamid & Chemical Co, Spaarndam, Rotterdam
40 cks, Whittaker, Clark & Daniels, Spaarndam, Rotterdam
2 cs, Spaarndam, Rotterdam
4 cks, Robinson-Wagner Co, Spaarndam, Rotterdam
1,325 dms, National Carloading Co, Spaarndam, Rotterdam
9 pkgs, Merck & Co, Spaarndam, Rotterdam
175 cks, 200 bgs, Advance Solvents & Chemical Co, Westernland, Antwerp
50 bgs, 20 bbls, Philipp Bros, Westernland, Antwerp
45 cs, Mallinckrodt Chemical Works, Drottningholm, Gothenburg
4 bbls, 143 cs, Bergstrom Trading Co, Drotningholm, Gothenburg
4 cs, American Banker, London
1 cs, Lo Curto & Funk, American Banker, London
78 dms, Advance Solvents & Chemical Co, Volendam, Rotterdam
25 cks, 4 cs, Volendam, Rotterdam
154 bgs, American Fluoride Corp, Volendam, Rotterdam
40 dms, General Dyestuff Corp, Volendam, Rotterdam
40 kgs, R J Prentiss & Co, Volendam, Rotterdam
5 dms, General Dyestuff Corp, Volendam, Rotterdam
3 cs, Ciba Pharm Co, Ile de France, Havre
35 cks, Central Trading Corp, Ile de France, Havre
4 dms, 1 cs, Hoffmann La Roche, Ile de France, Havre
6 cs, G J Wallau, Ile de France, Havre
3 cs, E Fougera & Co, Ile de France, Havre
CHILLIES—112 bgs, A G Dunn, Myoko, Kobe
56 bgs, Volkart Bros, Myoko, Kobe
112 bgs, Volkart Bros, Wave, Kobe
CHINA CLAY—26 cs, Hercules Powder Co, Independence Hall, Havre
20 cks, Meadows, Wye & Co, American Banker, London
CINCHONA BARK—100 bls, New York Quinine & Chem Works, Spaarndam, Rotterdam
98 bls, New York Quinine & Chem Works, Volendam, Rotterdam
PRODUCTS—6 cs, R W Greeff & Co, Volendam, Rotterdam
CLAY, BLUE—112 cks, Milton Greenebaum, Spaarndam, Rotterdam
RAW—360 cks, 1 bg, A Hurst & Co, Spaarndam, Rotterdam
CLOVES—560 bls, L A Champon, Silverwalnut, Sainte Marie
800 bls, Silverwalnut, Batavia
COALTAR INTERMEDIATES—3 dms, 13 cks, Sandoz Chem Works, Bremen, Bremen
4 cans, General Dyestuff Corp, Bremen, Bremen
37 cks, General Aniline Works, Spaarndam, Rotterdam
54 dms, 13 cks, 4 crbys, 1 jug, General Dyestuff Corp, Maasdam, Rotterdam
1 dm, General Aniline Works, Volendam, Rotterdam
2 cks, 1 cs, General Dyestuff Corp, Volendam, Rotterdam
COBALT, SULPHATE—60 cks, Central Trading Corp, Henri Jasper, Antwerp
COCOA BEANS—11 bgs, Doggett Chocolate Co, Rosario, San Juan
900 bgs, Curacao Trading Co, San Juan, San Pedro de Macoris
30,500 bgs, Bencas, Ilheos,
500 bgs, General Cocoa Co, Paraguayo, Bahia
2,000 bgs, Wessel, Kulenkampf & Co, Paraguayo, Bahia
1,000 bgs, J Aron & Co, Paraguayo, Bahia
500 bgs, Curacao Trading Co, Paraguayo, Bahia
750 bgs, General Cocoa Co, Ingrid, Port Spain
500 bgs, Meyer & Co, Ingrid, Port Spain
1,000 bgs, Wood & Selick, Ingrid, Port Spain
750 bgs, J Aron & Co, Ingrid, Port Spain
800 bgs, Middleton & Co, Ingrid, Port Spain
300 bgs, Wessel, Duval & Co, Ingrid, Port Spain
1,000 bgs, Ingrid, Port Spain
50 bgs, Universal Carloading & Distr Co, Spaarndam, Rotterdam
325 bgs, Spaarndam, Rotterdam
100 bgs, Meyer & Co, Santa Paula, Porto Cabello
10,000 bgs, A C Israel Com Co, Ayurucca, Bahia
1,250 bgs, J Aron & Co, Auyurucca, Bahia
11,995 bgs, W R Grace & Co, Ayurucca, Bahia
2,000 bgs, Wessel, Kulenkampf & Co, Ayurucca, Bahia
12,000 bgs, Ayurucca, Bahia
1,500 bgs, Wessel, Kulenkampf & Co, Almena, Trujillo
500 bgs, Carr Bros, Almena, San Pedro
5,300 bgs, Machado & Co, Almena, Sanchez
400 bgs, Curacao Trading Co, Almena, Sanchez
1,027 bgs, Gillespie & Co, Almena, Sanchez
51 bgs, Porcella Vicini & Co, Almena, Sanchez
500 bgs, Wessel, Kulenkampf & Co, Almena, Puerto Plata
250 bgs, Porcella Vicini & Co, Almena, Puerto Plata
350 bgs, Curacao Trading Co, Almena, Puerto Plata
500 bgs, Royal Bank of Canada, Almena, Puerto Plata
350 bgs, Western Prince, Port Spain
200 bgs, Curacao Trading Co, Ponce, Puerto Plata
250 bgs, Porcella Vicini & Co, Ponce, Puerto Plata
3,015 bgs, Curacao Trading Co, Ponce, Sanchez
500 bgs, Wood & Selick, Fort Townshend, Trinidad
RESIDUE—5,884 bgs, 1,100,308 lbs, H J Baker & Bros, Black Hawk, Rotterdam
COCOA, BUTTER—10 cs, R W Greeff & Co, Volendam, Rotterdam
COCONUTS—86 bgs, 8,600 lbs, J Simon & Co, Rosario, Mayaguez
50 bgs, 5,000 lbs, Far East Mfg Co, Rosario, Mayaguez
1,128 bgs, 112,800 lbs, General Foods Corp, Rosario, San Juan
COCONUTS—71 bgs, 7,100 lbs, J Simon & Co, Rosario, San Juan
250 bgs, 25,000 lbs, J Simon & Co, Ingrid, St Vincent
2,331 bgs, 233,100 lbs, General Foods Corp, Haiti, Kingston
386 bgs, 38,600 lbs, I L Toledano Corp, Cristobal, Cristobal
26 bgs, 2,600 lbs, Simons & French, Borinquen, San Juan
200 bgs, 20,000 Quirigua, Kingston
57 bgs, 5,700 lbs, J Simon & Co, Ponce, Mayaguez
COCONUT, DESIC—1,439 cs, Durkee Famous Foods, Anna Maersk, Manila
1,161 cs, General Foods Corp, Anna Maersk, Manila
700 cs, J E Lowden, Anna Maersk, Manila
COLORS—1 cs, Favor, Ruhl & Co, President Harding, Havre
1 cs, B F Drakenfeld & Co, American Importer, Liverpool
15 cks, Westernland, Antwerp
5 cks, Fulton Dye & Import Co, Ile de France, Havre
DRY—40 cks, Stanley Doggett, Roma, Genoa
2 bbls, Robinson-Wagner Co, Hansa, Hamburg
4 cks, American Banker, London
EARTH — 15 cks, Robinson-Wagner Co, Spaarndam, Rotterdam
8 cks, Reichard-Coulston, Volendam, Rotterdam
ENAMEL — 3 cs, B F Drakenfeld & Co, Bremen, Bremen
PRINTING—2 cs, 6 bbls, J E Bernard & Co, Hansa, Hamburg
COPPER ASH, RESIDUE—180 bgs, 20 tons, 12 cwt, 3 qtrs, 19 lbs, Bassano, New Castle-Tyne
CORIANDER SEED — 250 bgs, Patrick W Walsh, Exmoor, Casablanca
125 bgs, J Raphael & Son, Exmoor, Casablanca
CORK—13 bgs, Mundet Cork Corp, Exmoor, Lisbon
WOOD—50 bls, Armstrong Cork Co, Exmoor, Lisbon
98 bls, Mundet Cork Corp, Exmoor, Lisbon
CUDBEAR—1 ck, American Importer, Liverpool
1 ck, American Banker, London
CUTTLEFISH BONES — 51 cs, Barbarigo, Trieste
DERRIS ROOT POWD—2 kegs, S B Penick & Co, Volendam, Rotterdam
DEXTRIN—50 bgs, Stein, Hall & Co, Volendam, Rotterdam
11 bgs, Volendam, Rotterdam
DRUGS, CRUDE—111 cs, American Banker, London
DUTCH METAL—1 cs, B F Drakenfeld & Co, Bremen, Bremen
DYES, ALIZARIN — 1 ck, Gneral Dyestuff Corp, Bremen, Bremen
13 dms, 35 cks, 24 jugs, 1 cs, General Dyestuff Corp, Spaarndam, Rotterdam
9 dms, 11 jugs, 23 cks, General Dyestuff Corp, Volendam, Rotterdam
ANILIN—20 cks, 1 cs, General Dyestuff Corp, Bremen, Bremen
3 dms, Sandoz Chem Works, Bremen, Bremen
202 cks, 12 dms, 2 cs, General Dyestuff Corp, Spaarndam, Rotterdam
1 cs, 62 cks, 5 dms, General Dyestuff Corp, Volendam, Rotterdam
27 bbls, 11 cans, 1 cs, Ciba Co, Ile de France, Havre
4 bbls, Geigy Corp, Ile de France, Havre
2 cans, 49 kgs, Carbic Color & Chem Co, Ile de France, Havre
ETHYL CHLORIDE—4 cs, Clay Adams Co, Spaarndam, Rotterdam
FERROVANADIUM—6 dms, Hansa, Hamburg
FILTER PAPER—10 bls, 3 cs, Hansa, Hamburg
10 cs, H Reeve Angel & Co, American Banker, London
FISH LIVERS, FROZEN — 300 cs, J D Irwin & Co, Kunikawa, Yokohama
FLAXSEED — 5,130 tons, 205,200 bus, L Dreyfus & Co, Ravnaas, Concepcion del Uruguay
1,176 tons, 47,040 bus, L Dreyfus & Co, Ravnaas, Buenos Aires
1,727,200 kilos, 69,088 bus, L Dreyfus & Co, Paraguayo, Ibicuy
7,065 tons, 282,600 bus, Archer-Daniels-Midland Co, Hektor, Buenos Aires
2,540,000 kilos, 101,600 bus, Archer-Daniels-Midland, Norderney, Rosario
FULLER'S EARTH—100 bgs, L A Salomon & Bro, American Banker, London
GAMBIER—340 cs, American Dyewood Co, Silverwalnut, Belawan Deli
GELATIN — 2 cs, Dingelstedt & Co, Hansa, Hamburg
1 cs, Schenker & Co, Hansa, Hamburg
14 cs, L A Consmiller, Volendam, Rotterdam
POWDERED — 285 bgs, R D McLellan, Spaarndam, Rotterdam
42 cks, T M Duche & Sons, Westernland, Antwerp
GINGER ROOT—41 bgs, Magnus, Mabee & Reynard, Rosario, Mayaguez
56 bgs, Mincing Trading Corp, Haiti, Kingston
12 bgs, E A Marketing Co, Borinquen, San Juan
170 bgs, Toa Kigyo Corp, Myoko, Yokohama
106 bgs, Barclay Bank, Quirigua, Kingston
GLASS, PLATE—37 cs, Globe Shipping Co, Hansa, Hamburg
6 cs, C Happel, President Harding, Hamburg
4 cs, Globe Shipping Co, President Harding, Hamburg
SHEET—70 cs, Henri Jasper, Antwerp
WINDOW—24 cs, J Marks & Bro, Black Hawk, Antwerp
25 cs, Guardian Trading Co, Henri Jasper, Antwerp
2,548 cs, Henri Jasper, Antwerp
1,831 cs, Vitrea Co, President Harding, Hamburg
1,152 cs, Westernland, Antwerp
GLUE, BONE—100 bgs, Barbarigo, Trieste
GLYCERIN—1 car, Colgate-Palmolive-Peet Co, Seatrain New Orleans, Havana
GRAPHITE—1,300 bgs, Asbury Graphite Mills, Wave, Busan
350 bgs, Mitsui & Co, Kunikawa, Kobe
GREASE, WOOL—10 dms, P H Petry & Co, American Importer, Manchester
25 dms, American Cyanamid & Chem Co, American Importer, Liverpool
19 dms, American Importer, Liverpool
GUANO WHALE—17,597 bgs, 1,461 tons, 3 cwts, 2 qtrs, 10 lbs, Robin Gray, Saldanha Bay
GUM—18 pkgs, Chicle Development Co, Ingrid, Port Spain
36 bgs, Chicle Development Co, Santa Paula, Porto Colombia
2 cks, Arabol Mfg Co, American Importer, Liverpool
19 bgs, Chicle Development Co, Western Prince, Port Spain
CHICLE—1,192 bls, Mexican Exploitation Co, Yucatan, Vera Cruz
GUM, DAMMAR—50 cs, O G Innes Corp, Silverwalnut, Batavia
210 bgs, O G Innes Corp, Silverwalnut, Singapore
25 cs, Gillespie-Rogers-Pyatt Co, Silverwalnut, Singapore
GAMBOGE—6 cs, Silverwalnut, Singapore
LOCUST BEAN—40 bgs, American Importer, Liverpool
20 bgs, Innis, Speiden & Co, Barbarigo, Genoa
10 bgs, Barbarigo, Genoa
RED—2 cs, American Banker, London
YACCA—653 bgs, Erlanger, Port Adelaide
GYPSUM—450 bgs, 22 tons, 10 cwt, Hammill & Gillespie, Bassano, Hull
100 bgs, Whittaker, Clark & Daniels, American Importer, Liverpool
HARDENING POWDER—40 cs, R F Downing & Co, American Banker, London
HERBS, MEDICINAL—6 bls, Peek & Velsor, Barbarigo, Trieste
4 bls, S B Penick & Co, Barbarigo, Genoa
HOPS—55 bls, S S Steiner, Black Hawk, Rotterdam
40 bls, Bode & Voigt, Hansa, Hamburg
115 bls, S S Steiner, Hansa, Hamburg
45 bls, Globe Shipping Co, Hansa, Bremen
4 bls, Karr, Ellis & Co, Spaarndam, Rotterdam
10 bls, O Seidenberg, President Harding, Hamburg
40 bls, J Sonnenschein Hop Co, President Harding, Hamburg
12 bls, J D Smith Co, President Harding, Hamburg
16 bls, A Gusmer, President Harding, Hamburg
10 cyls, President Harding, Hamburg
7 bls, Globe Shipping Co, President Harding, Hamburg
3 bls, American Express Co, President Harding, Hamburg
5 bls, Piel Bros, President Harding, Hamburg
ILMENITE SAND—2,500 tons, Silverfir, Koilthottam
INDIGO—6 cks, General Dyestuff Corp, Spaarndam, Rotterdam
IRISH MOSS—4 bgs, J E Bernard & Co, American Importer, Manchester
100 bgs, C H Reisig, Ile de France, Havre
20 bgs, Ile de France, Havre
IRON ORE—3 cks, Hobart Bros Co, American Importer, Liverpool
OXIDE—30 cks, J A McNulty, American Importer, Liverpool
20 cks, T H Deutz, Volendam, Rotterdam
SAND—200 bgs, J Weiss & Co, Bassano Aberdeen
100 bgs, Brenner & Ackerman, Bassano, Aberdeen
JALAP ROOT—9 bgs, Yucatan, Vera Cruz
LIME JUICE—12 hhd, Ingrid, Roseau
10 hhd, Fort Townshend, Dominica
1 keg, M Richardson, Fort Townshend, Dominica
LOOFAH—15 bls, American Sponge & Chamois Co, Myoko, Yokohama
LUPULIN—1 cs, A Gusmer, President Harding, Hamburg
12 cs, Overton & Co, President Harding, Hamburg
4 cs, Globe Shipping Co, President Harding, Hamburg
MACE—5 cs, Barclay Bank, Ingrid, Grenada
24 cs, Silverwalnut, Singapore
5 cs, Knickerbocker Mills Co, Fort Townshend, Grenada
MAGNESIA, CALCINED — 35 cs, Schofield-Donald Co, American Importer, Liverpool
CARBONATE — 210 cs, 100 cks, Schofield-Donald Co, American Importer, Liverpool
SILICATE TRIBASIC—6 cks, Meadows, Wye & Co, American Banker, London
MAGNESITE, CALCINED — 100 bbls, Innis, Speiden & Co, Spaarndam, Rotterdam
MANGROVE BARK, EXTRACT — 2,000 bgs, Silverwalnut, Singapore
MATCHES, SAFETY—5 cs, New York Match Co, Svaneholm, Gothenburg
100 cs, 104 tins, Westernland, Antwerp
7,000 conts, New York Match Co, Drottningholm, Gothenburg
MEDICINAL PREPS — 6 cs, Shaganol, Inc, Rosario, San Juan
9 cs, Neo Galen Corp, Roma, Genoa
7 cs, Italian Drug Import Co, Roma, Genoa
7 cs, J Personeni, Roma, Genoa
25 cs, Black Hawk, Rotterdam
4 cs, Burroughs, Wellcome & Co, American Banker, London
MENTHOL — 150 cs, Mitsui & Co, Myoko, Kobe
5 cs, Corn Exchange Bank, Anna Maersk, Shanghai
20 cs, Corn Exchange Bank, Anna Maersk, Hongkong
MICA—30 cs, Brown Bros-Harriman Co, Western Prince, Rio de Janeiro
36 cs, Western Prince, Rio de Janeiro
MILK, POWD—25 cs, J Personeni, Barbarigo, Genoa
MOLASSES—110,273 gls, National Sugar Refg Co, Seatrain New York, Havana
MUSTARD SEED—50 bgs, Knickerbocker Mills Co, Spaarndam, Rotterdam
50 bgs, Levy & Levis Co, Batory, Gdynia
150 bgs, President Harding, Hamburg
200 bgs, American Banker, London
NAPHTHALENE—1,250 bgs, Cliffwood, Gdynia
NUTMEGS—50 bgs, Royal Bank of Canada, Ingrid, Grenada
50 half bgs, Ingrid, Grenada
100 bgs, T Scott & Co, Fort Townshend, Grenada
150 bgs, Van Norden & Archibald, Fort Townshend, Grenada
150 bgs, Royal Bank of Canada, Fort Townshend, Grenada
150 bgs, O Gerdau Co, Fort Townshend, Grenada
OIL, AKARWANGI—6 dms, Volendam, Rotterdam
ALMOND—7 cs, Dodge & Olcott Co, American Banker, London
ANISE—10 dms, Continental Bank Trust Co, Anna Maersk, Hongkong
BAY—21 cs, D Steengrafe, Fort Townshend, Dominica
BERGAMOT—7 cs, Yardley & Co, American Banker, London
CAMPHOR—40 dms, Takammie Corp, Kimikawa, Yokohama
50 dms, Dodge & Olcott Co, Anna Maersk, Kobe
23 dms, Magnus, Mabee & Reynard, Anna Maersk, Kobe
15 dms, Orbis Product Corp, Anna Maersk, Kobe
CARAWAY — 2 dms, Dodge & Olcott Co, Spaarndam, Rotterdam
1 cs, Rohner-Gehrig Co, Volendam, Rotterdam
CASSIA—10 dms, Philadelphia Natl Bank, Anna Maersk, Hongkong
CHINAWOOD—114 dms, Kunikawa, Kobe
285 tons, W R Grace & Co, Anna Maersk, Shanghai
458 dms, Anna Maersk, Shanghai
132 dms, Wah Chang Trading Corp, Anna Maersk, Hongkong

OIL, CHINAWOOD—100 dms, M S Cowen, Anna Maersk, Hongkong
107 dms, Murray Oil Prod Co, Anna Maersk, Hongkong
22 dms, National City Bank, Anna Maersk, Hongkong
705,000 lbs, Chase National Bank, Anna Maersk, Hongkong
201 tons, Irving Trust Co, Anna Maersk, Hongkong
CITRONELLA—7 dms, H A Sothern, Cristobal, Cristobal
16 dms, J F Frank, Silverfir, Batavia
CLOVE—2 pkgs, A G Dunn, Silverwalnut, Batavia
COCONUT—406 tons, Philippine Refg Co, Silverwalnut, Cebu
216 tons, Pacific Vegetable Oil Corp, Anna Maersk, Cebu
COD—20 dms, Stavangerfjord, Oslo
CODLIVER—891 dms, Chase National Bank, Bassano, Hull
250 dms, Consumers Import Co, Bassano, Hull
275 dms, 100 cks, President Harding, Hamburg
CORN—50 dms, 23,828 lbs, Black Hawk, Antwerp
50 dms, N C Littauer, Henri Jasper, Antwerp
240 dms, Corn Products Refg Co, Hansa, Hamburg
55 dms, Corn Product Refg Co, American Importer, Liverpool
100 dms, Westernland, Antwerp
50 dms, Volendam, Rotterdam
CROTON—3 cs, Dodge & Olcott Co, American Banker, London
ESSENTIAL—2 dms, Yucatan, Vera Cruz
4 cs, 1 dm, Spaarndam, Rotterdam
9 cs, President Harding, Havre
1 cs, Independence Hall, Havre
16 cs, American Banker, London
13 dms, Santa Clara, Cristobal
42 cs, Ile de France, Havre
EUCALYPTUS—27 dms, Orbis Product Corp, Erlangen, Melbourne
6 dms, W J Bush & Co, Erlangen, Melbourne
10 dms, C Fischbeck, Anna Maersk, Kobe
FISH—8 dms, Mitsui & Co, Myoko, Yokohama
FUEL—3,990,000 gls, Standard Oil Co of N J, Esso Aruba, Aruba
110,000 bbls, Standard Oil Co of N J, Standard, Aruba
97,000 bbls, Standard Oil Co of N J, Fred W Weller, Aruba
JUNIPER—2 dms, Geo Lueders & Co, Ingerfem, Seville
LAUREL—1 cs, Barbarigo, Trieste
LEMONGRASS—6 dms, H A Sothern, Cristobal, Cristobal
LIME—4 cs, Fritzsche Bros, Ingrid, St Lucia
3 cs, Geo Lueders & Co, Fort Townshend, Dominica
LINSEED—25 dms, 11,900 lbs, Black Hawk, Rotterdam
LUBRICATING—250 dms, Henri Jasper, Antwerp
95 dms, Hansa, Hamburg
OLIVE—75 dms, Exmoor, Genoa
250 cs, Exmoor, Leghorn
25 dms, Strohmeyer & Arpe Co, Exmoor, Algiers
50 dms, J H Schroeder Banking Corp, Exmoor, Algiers
67 dms, New Brunswick Lab, Exmoor, Casablanca
50 dms, Hellenic Bank Trust Co, Exmoor, Lisbon
225 cs, 142 dms, Exmoor, Lisbon
2,200 cs, 30 dms, Roma, Genoa
2,960 cs, Ingerfem, Seville
3,350 cs, Barbarigo, Leghorn
25 dms, Gaetano Gattini, Barbarigo, Genoa
25 dms, A Corrao, Barbarigo, Genoa
25 dms, A Fiore, Barbarigo, Genoa
1,550 cs, 450 dms, Barbarigo, Genoa
OLIVE FOOTS—78 dms, Bank of Manhattan, Exmoor, Lisbon
OLIVE SULPHUR—110 dms, Smith Weihman Co, Exmoor, Lisbon
ORANGE—1 cs, Dodge & Olcott Co, American Banker, London
PALM—1 tin, I R Boody & Co, Spaarndam, Rotterdam
Quantity, Banque Belge pour l'Etranger, Silverfir, Belawan Deli
PEANUT—25 dms, Welch, Holme & Clark, Spaarndam, Rotterdam
315 tons, Spaarndam, Rotterdam
ROSEWOOD—1 dm, Yardley & Co, American Banker, London
SAGE—5 dms, E E Marks & Co, Barbarigo, Trieste
SASSAFRAS—45 dms, Dodge & Olcott Co, Anna Maersk, Kobe
23 dms, C Fischbeck, Anna Maersk, Kobe
37 dms, Ungerer & Co, Anna Maersk, Kobe
23 dms, Norda Essential Oil & Chem Co, Anna Maersk, Kobe
50 dms, Anna Maersk, Kobe
SESAME—50 dms, Spaarndam, Rotterdam
25 dms, Welch, Holme & Clark, Spaarndam, Rotterdam
50 dms, N C Littauer, Spaarndam, Rotterdam
100 dms, Strohmeyer & Arpe Co, Volendam, Rotterdam
50 dms, N C Littauer, Volendam, Rotterdam
25 dms, Volendam, Rotterdam
SOD—50 cks, 24,701 lbs, First National Bank, Black Hawk, Antwerp
SPERM—83 dms, Cameronia, Glasgow
VEGETABLE—1 tin, I R Boody & Co, Spaarndam, Rotterdam
WHALE—1 bbl, S A Day, Stavangerfjord, Oslo
WHITE—25 dms, Westernland, Antwerp
OLEIN—5 dms, 2,387 lbs, Michel Export Co, Black Hawk, Rotterdam
ORE, CONCENTRATES—1,096 bgs, Bank of London South America, Erlangen, Melbourne
PAINT—1 dm, Piza Nephews & Co, Bassano, Hull
PAPAIN—9 cs, American Banker, London
PAPRIKA—50 bgs, President Harding, Hamburg
150 bgs, Knickerbocker Mills Co, President Harding, Hamburg
400 bgs, Barbarigo, Trieste
PEATMOSS—1,600 bls, 150 half bls, Hansa, Bremen
1,371 bls, C K Ketzel, Spaarndam, Rotterdam
200 bls, New Amsterdam Import & Supply Co, Stavangerfjord, Fredrikstad

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PEATMOSS—450 bls, W J Byrnes & Co, Batory, Copenhagen
770 bls, Cameronia, Glasgow
1,394 bls, C K Ketzel, Volendam, Rotterdam
PEPPER, BLACK—1,250 bgs, Irving Trust Co, Silverfir, Oosthaven
PETROLEUM, CRUDE—10,491 tons, Standard Oil Co of N J, Atlantic, Guiria
79,023 bbls, Gulf Oil Corp, Adellen, Las Piedras
73,178 bbls, Cities Service Asphalt Prod Co, Marathon, Las Piedras
PIMENTO—200 bgs, J A Manton, Haiti, Kingston
POPPYSEED—100 bgs, 11,000 lbs, American Bluefriesveen, Spaarndam, Rotterdam
400 bgs, 44,000 lbs, C M Van Sillevoldt, Spaarndam, Rotterdam
100 bgs, 11,000 lbs, R L Friedler, Spaarndam, Rotterdam
200 bgs, 22,000 lbs, E E Marks & Co, Spaarndam, Rotterdam
500 bgs, 55,000 lbs, Guaranty Trust Co, Batory, Gdynia
300 bgs, 33,000 lbs, M Witsenburg, Batory, Gdynia
100 bgs, 11,000 lbs, Ideal Trading Co, Batory, Gdynia
300 bgs, 33,000 lbs, J Loewith, Batory, Gdynia
150 bgs, 16,500 lbs, Jewitt, Sherman Co, Batory, Gdynia
200 bgs, 22,000 lbs, Batory, Gdynia
100 bgs, 11,000 lbs, Basic Material, Volendam, Rotterdam
100 bgs, 11,000 lbs, A G Dunn, Volendam, Rotterdam
200 bgs, 22,000 lbs, C M Van Sillevoldt, Volendam, Rotterdam
100 bgs, 11,000 lbs, J Loewith, Cliffwood, Gdynia
200 bgs, 22,000 lbs, Cliffwood, Gdynia
POTASH, CAUSTIC—100 dms, Hansa, Hamburg
CHLORATE—100 dms, 100 bbls, International Selling Corp, Independence Hall, Havre
PRUSSIATE — 23 bbls, F W Hageman, Spaarndam, Rotterdam
SALT—10 kgs, 3 cs, American Banker, London
PUMICE, ARTIFICIAL — 35 cs, C B Chrystal & Co, Hansa, Hamburg
PYRETHRUM FLOWERS — 75 bls, J Powell & Co, Myoko, Kobe
250 bls, S B Penick & Co, Wave, Kobe
125 bls, J Powell & Co, Kumikawa, Kobe
75 bls, J Powell & Co, Kunikawa, Yokohama
75 bls, McKesson & Robbins, Anna Maersk, Kobe
125 bls, S B Penick & Co, Anna Maersk, Kobe
125 bls, J Powell & Co, Anna Maersk, Kobe
QUEBRACHO EXTRACT — 1,565 bgs, Tannin Corp, Western Prince, Buenos Aires
QUICKSILVER—50 flks, Chase Natl Bank, Yucatan, Vera Cruz
RAPESEED—187 bgs, Wagner Bros, Kunikawa, Yokohama
375 bgs, A G Dunn, Kunikawa, Otaru
ROSE LEAVES—17 bls, 1,977 lbs, Exmoor, Casablanca
RUBBER, SYN—17 bgs, 1,533 lbs, Advance Solvents & Chem Co, Black Hawk, Rotterdam
SAFFRON FLOWERS — 1 cs, A L Causse, Ile de France, Havre
SALTPETER—681 bgs, Hansa, Bremen
SARDINE MEAL — 3,000 bgs, Mitsubishi Shoji Kaisha, Wave, Kobe
SAWDUST—854 bgs, State Chem Co, Volendam, Rotterdam
SEEDS, MEDICINAL—350 bgs, Westernland, Antwerp
SHELLAC—10 bgs, 10 cs, A Hurst & Co, Hansa, Hamburg
SOAP—5 cs, R F Downing & Co, President Harding, Hamburg
11 cs, W Robinson & Co, President Harding, Hamburg
12 cs, M Levy, Ile de France, Havre
BASE — 50 cs, Yardley & Co, American Banker, London
SADDLE—100 cs, Salomon & Phillip, American Banker, London
SODA—1 cs, American Cyanamid & Chem Co, Spaarndam, Rotterdam
CARBONATE—12 dms, American Importer, Liverpool
CYANIDE—500 dms, American Cyanamid & Chem Co, Hansa, Hamburg
HYDROSULPHITE—70 bbls, Hansa, Hamburg
25 kgs, Philipp Bros, American Importer, Liverpool
SALT—6 cks, Advance Solvents & Chem Co, Spaarndam, Rotterdam
SILICOFLUORIDE—80 bbls, Hummel Chem Co, Hansa, Bremen
150 bgs, 33,000 lbs, Hummel Chem Co, Barbarigo, Leghorn
SPONGES—10 bls, Black Hawk, Rotterdam
39 bls, Antigua, Havana
18 bls, Schroeder & Tremayne, Yucatan, Havana
6 bls, Florida Sponge & Chamois Co, Yucatan, Havana
REFUSE—30 bls, Antigua, Havana
WASTE—60 bls, Johns Manville Corp, Antigua, Havana
STARCH, POTATO—75 bgs, 16,500 lbs, Knickerbocker Mills Co, Black Hawk, Rotterdam
TALC—500 double bgs, Whittaker, Clark & Daniels, Wave, Kobe
200 bgs, Barbarigo, Leghorn
2,100 bgs, Charles Mathieu, Barbarigo, Genoa
500 bgs, C B Chrystal & Co, Barbarigo, Genoa
TAMARINDS IN MOLASSES—67 bbls, H J Heinz Co, Fort Townshend, Antigua
5 bbls, Fort Townshend, St Lucia
TANKAGE—2,000 bgs, C R Shoemaker Co, Paraguayo, Buenos Aires
600 bgs, Norderney, Buenos Aires
TAPIOCA FLOUR—900 bgs, H P Winter & Co, Silverfir, Batavia
1,070 bgs, Balfour, Guthrie & Co, Silverfir, Pamanoekan
500 bgs, H P Winter & Co, Silverfir, Cheribon
TARTAR—148 bgs, Charles Pfizer & Co, Exmoor, Leghorn
264 bgs, Exmoor, Naples
851 bgs, Standard Brands, Exmoor, Algiers
125 bgs, Charles Pfizer & Co, Spaarndam, Rotterdam
500 bgs, Barbarigo, Genoa
TOILET PREPS—2 cs, H S Dorf & Co, American Banker, London
TOLU BALSAM—25 cs, H F Botzow, Quirigua, Port Colombia
TOLUOL—1 cs, Associated Metals & Mineral Co, Bloch Hawk, Antwerp
URANIUM OXIDE, BLACK—60 dms, Central Trading Co, Westernland, Antwerp
VANADIUM—2,850 bgs, Vanadium Corp, Santa Clara, Callao
VANILLA BEANS—8 cs, F Huber & Co, Yucatan, Vera Cruz
2 cs, Ingrid, St Lucia
15 cs, Irving Trust Co, Santa Paula, Curacao
CUTS—21 cs, F Huber & Co, Yucatan, Vera Cruz
VARNISH—1 cs, Favor, Ruhl & Co, President Harding, Havre
WATER, MINERAL—100 crtns, Westergaard Berg Johnson Co, Stavangerfjord, Oslo
WAX, BEES—14 bgs, Olavarria & Co, Oriente, Havana
120 bgs, Ayuruoca, Rio Janeiro
10 seroons, Porcella, Vicini & Co, Almena, Trujillo
1 bg, A S Marques, Almena, Trujillo
11 bgs, Machado & Co, Almena, Sanchez
7 bgs, Schutte & Focke, Almena, Sanchez
WAX, BEES—7 seroons, Porcella, Vicini & Co, Almena, Puerto Plata
80 bgs, Strohmeyer & Arpe Co, Western Prince, Santos
160 bgs, Western Prince, Buenos Aires
CARNAUBA—72 bgs, Strahl & Pitsch, Ayurucca, Bahia
56 bgs, American Cyanamid & Chem Co, Rio de Janeiro
82 bgs, Ayuruoca, Rio de Janeiro
4 bgs, Anna Maersk, Kobe
MINERAL—50 bgs, General Dyestuff Corp, Spaarndam, Rotterdam
MONTAN — 577 bgs, Innis, Speiden & Co, President Harding, Hamburg
OZOKERITE — 56 bgs, Heemsoth-Kerner Corp, Hansa, Hamburg
VEGETABLE—4 bgs, Heemsoth-Kerner Corp, Hansa, Hamburg
81 bgs, A Hurst & Co, American Banker, London
200 cs, Strohmeyer & Arpe Co, Wave, Kobe
WOODFLOUR—167 bgs, Innis, Speiden & Co, Svaneholm, Gothenburg
2 bgs, Burnet Co, Stavangerfjord, Fr Stad
YEAST—160 bbls, Vulkan Yeast Co, Hansa, Hamburg
40 bbls, Hansa, Hamburg
ZINC DUST—1 dm, American British Chem Supplies, Hansa, Hamburg
OXIDE—100 cs, 5 tons, 8 cwt, 4 lbs, New York Quinine & Chem Works, Bassano, Newcastle-on-Tyne
50 cs, 5 tons, 10 cwt, 5 lbs, Jungmann & Co, Bassano, Newcastle-on-Tyne

New York Transit Imports

BLUE, ULTRAMARINE—228 cks, Standard Ultramarine Co, Bassano, Hull, Huntington, W Va
GELATIN—71 cs, American Express Co, Volendam, Rotterdam, Rochester
GLASS, PLATE—1 cs, Melon Glass Works, President Harding, Hamburg, Rochester
ISINGLASS—10 cs, American Banker, London, Chicago
OIL, CODLIVER—500 dms, Raison Purina Co, Black Hawk, Rotterdam, St Louis
SOAP, TOILET—6 cs, Chase National Bank, Barbarigo, Trieste, Hartford
SPONGES—8 bls, Antigua, Havana, Philadelphia
6 bls, Yucatan, Havana, Havre
18 bls, Yucatan, Havana, Santos
10 bls, Oriente, Havana, Havre
5 bls, Oriente, Havana, Detroit
STARCH, POTATO—100 bgs, Arnold Hoffman Co, Spaarndam, Rotterdam, Providence

Baltimore Imports

BONEMEAL—550 bgs, Clara, Fiume
BRONZE POWDER—5 cs, Trans Seas Shipping Co, City of Hamburg, Hamburg
10 cs, W B Pindell, City of Hamburg, Hamburg
8 cs, National Carloading Corp, City of Hamburg, Hamburg
CHEMICALS—200 bgs, City of Hamburg, Hamburg
IRON ORE—11,500 tons, Bethlehem Steel Co, Firmore, Cruz Grande
5,500 tons, Bethlehem Steel Co, Erlangen, Whyalla
MANGANESE ORE — 8,241 tons, Wellington Court, Calcutta
6,050 tons, Baron Elgin, Poti
MOLASSES—205,734 gls, Cuba Distilling Co, Cassimir, La Romana
264,226 gls, Cuba Distilling Co, Cassimir, Macoris
OIL, FUEL—74,000 bbls, Standard Oil Co of N J, India Arrow, Las Piedras
OLIVE—500 dms, Clara, Sfax
PEATMOSS—7,255 bls, City of Hamburg, Bremen
PETROLEUM, CRUDE — 101,145 bbls, Pan Amer Refg Corp, E M Clark, Las Piedras
85,993 bbls, Standard Oil Co of N J, India Arrow, Las Piedras
SARDINE MEAL—2,240 bgs, Atutasan, Kobe
SODA SILICOFLUORIDE—250 bgs, City of Hamburg, Hamburg

Boston Imports

BARIUM NITRATE—100 bbls, 57,911 lbs, Sarcoxie, Havre
BLUE, ULTRAMARINE—4 cs, 542 lbs, S S Pierce Co, Sarcoxie, Havre
BONE MEAL—552 bgs, 55,828 lbs, Ore Chemical Corp, Bochum, Hamburg
CALCIUM PHOSPHATE—19 cs, 3,569 lbs, N Y Navy Yard, Bochum, Hamburg
CHEMICALS — 227 cs, 61,980 lbs, Bochum, Hamburg
925 bls, 408,117 lbs, Parsons & Whittemore, Bochum, Hamburg
150 bgs, 33,069 lbs, Bochum, Bremen
COALTAR DISTILLATE — 1 dm, Monsanto Chemical Co, American Importer, Liverpool
COCOA BEANS—2,794 bgs, New Toronto, Lagos
2,308 bgs, Balfour, Guthrie Co, New Toronto, Assinie
1,500 bgs, New Toronto, Port Bouet
2,308 bgs, Balfour, Guthrie & Co, New Toronto, Sassandra
COCONUTS—200 bgs, Universal Import & Export Co, Lady Rodney, Kingston
COCONUT, DESIC—104 cs, Wilbur-Ellis Co, Toulouse, Davao
100 cs, Dodwell & Co, Toulouse, Manila
COLOR—4 cs, American Express Co, American Importer, Liverpool
EMERY FILLET—1 cs, Joseph Sykes Bros, American Importer, Liverpool
1 cs, Atkinson Haserick & Co, American Importer, Liverpool
POWDER—33 bgs, Nicholson & Co, American Banker, London
EXTRACTS—3 cs, Gustav Martin, American Importer, Liverpool
FERTILIZER, CHEMICAL MANURE—15 bgs, American Banker, London
30 bgs, Davies Turner Co, American Banker, London
FISH LIVERS—13 cs, from Nova Scotia
MEAL—1,000 bgs, 100,000 lbs, Wilbur-Ellis Co, Nako, Yokohama
GINGER, PRESERVED—50 csk, National City Bank, Toulouse, Hongkong
ROOT, DRIED—97 bgs, Superintendence Co, New Toronto, Freetown
GLASS, WINDOW—265 cs, 102,262 lbs, Vitrea Co, Bochum, Hamburg
25 cs, 10,895 lbs, Jacob Rubin Sons, Bochum, Hamburg
GLUE, MARINE, PITCH—9 dms, L W Ferdinand & Co, American Banker, London
GLUESTOCK, BONES—544,007 lbs, Consolidated Chemical Industries, Norderney, Rosario
456,143 lbs, H J Baker & Bros, Norderney, Buenos Aires
FISH—38 pkgs, J R Poole Co, Yarmouth, Yarmouth
HIDE—176 bgs, 15 tons, 2 cwt, 3 qtrs, 10 lbs, American Express Co, Nova Scotia, Liverpool
260 bgs, 27 tons, 13 cwt, 2 qtrs, 4 lbs, Nova Scotia, Liverpool
41 bls, American Banker, London
28 cks, American Importer, Liverpool
GREASE, WOOL—25 bbls, American Importer, Manchester
GUM, INDUSTRIAL—20 cks, 60 bgs, J P Marston Co, American Importer, Liverpool
INSECTICIDE—2 cs, American Express Co, American Banker, London
IRON, OXIDE—200 bgs, 5 dms, Reichard-Coulston, American Importer, Liverpool
SILICATE—1 dm, American Express Co, American Importer, Liverpool
MUSTARD SEED—150 bgs, American Banker, London
OIL, COD—50 dms, F W Damon, Nova Scotia, St John's, N F
25 cks, White & Hodges, Nova Scotia, St John's, N F
FUEL—27,000 bbls, 1,134,000 gls, Colonial Beacon Oil Co, Glittre, Aruba
LUBRICATING—1 dm, Stone & Downer, American Banker, London
SESAME—10 cs, Quong Wah Lung, Toulouse, Hongkong
SPERM—150 bbls, Cameronia, Glasgow
TEASEED — 100 dms, Irving Trust Co, Toulouse, Hongkong
PAPRIKA—100 bgs, 11,023 lbs, Cunningham Spice Co, Bochum, Hamburg
PEATMOSS—600 bls, 94,798 lbs, Atkins & Durbrow, Bochum, Bremen
500 bls, 76,742 lbs, L E Page Co, Bochum, Bremen
435 bls, 65,035 lbs, Bochum, Bremen
PETROLEUM, CRUDE—32,518 bbls, 4,884 tons, Colonial Beacon Oil Co, Glittre, Las Piedras
PHARM SUNDRIES—1 cs, 121 lbs, Heilkraft Medical Co, Bochum, Hamburg
PLASTICINE—32 crtns, 1 ton, 12 cwt, J L Hammett Co, Nova Scotia, Liverpool
POTASH, CHLORATE—215 dms, 51,570 lbs, Uniform Chemical Products, Bochum, Hamburg
QUEBRACHO EXTRACT—10,062 bgs, 1,100,214 lbs, American Tanners, Angeles, Buenos Aires
300 bgs, 32,322 lbs, Tannin Corp, Angeles, Buenos Aires
5,865 bgs, 636,136 lbs, International Products Corp, Angeles, Buenos Aires
SALTPETER—20,796 bgs, 2,079,600 lbs, Guaranty Trust Co, Marna, Iquique
505 tons, Guaranty Trust Co, Marna, Iquique
SILICON CARBIDE — 21 csks, American Abrasive Co, Trafalgar, Stavanger
SODA, NITRATE—11,470 bgs, 1,147,000 lbs, Guaranty Trust Co, Marna, Tocopilla
TANKAGE—1,000 bgs, 110,237 lbs, Angeles, Buenos Aires
1,016 bgs, 111,995 lbs, Charles Hollinghed & Co, Angeles, Montevideo
TAPIOCA FLOUR—1,605 bgs, Balfour Guthrie & Co, Silverfir, Pamanoekan
250 bgs, Silverfir, Cheribon
WAX, MONTAN—1,200 bgs, 135,186 lbs, Strohmeyer & Arpe, Bochum, Hamburg

Houston Imports

BLACK, CARBON—5 cs, Indiana, Antwerp
BLEACHING POWDER—100 cs, Indiana, Antwerp
ETHYL CHLORIDE—1 cs, Idarwald, Hamburg
FULLER'S EARTH—800 bgs, Indiana, Antwerp
HOPS—50 bls, Idarwald, Hamburg
SALTCAKE, CRUDE—Quantity, Idarwald Hamburg
SULPHATE PHOSPHATE—1,600 bgs, Indiana, Antwerp

Los Angeles Imports

AGAR AGAR—1,330 lbs, Anna Maersk, Kobe
150 lbs, Myoko, Yokohama
ARSENIC POWD—5,510 lbs, Schwaben, Antwerp
BARYTES ORE, GROUND—56,000 lbs, Rialto, Genoa
BLEACHING POWDER—29,490 lbs, Schwaben, Frankfurt
BLOOD, DRIED—44,800 lbs, Takaoka, Callao
CANARY SEED—55,100 lbs, Buenos Aires, Buenos Aires
55,200 lbs, Hardanger, Buenos Aires
CARAWAY SEED — 10,900 lbs, Heranger, Haarlem
CELERY SEED—2,320 lbs, President Pierce, Marseilles
CEMENT ASPHALTIC—40 lbs, Lima, Gothenburg
CHEMICAL COMPOUND—600 lbs, Bordeaux, Yokohama
1,200 lbs, Nako, Yokohama
120 lbs, Myoko, Kobe
500 lbs, Asakasan, Yokohama
1,110 lbs, Sanyo, Yokohama
CHILLIES—11,000 lbs, Tohsei, Kobe
2,910 lbs, From Mexico
CINNAMON, UNGROUND—5,000 lbs, From Colombo
CLOVES, UNGROUND—6,300 lbs, From Fenervie, Hamburg
COALTAR PROD—2 lbs, Anna Maersk, Kobe
COCONUT DESIC—56,000 lbs, From Manila
COLORS, WATER—50 lbs, From London
COPRA MEAL—1,722,000 lbs, Tosari, Manila
100 lbs, From Manila
DRUGS, CRUDE—210 lbs, From Hongkong
FERTILIZER—200,000 lbs, Schwaben, Brussels
FISH LIVERS, FROZEN—41,120 lbs, Kunikawa, Yokohama
GINGER ROOT—1,500 lbs, From Hongkong
5,530 lbs, Vancouver, Kingston
GLASS, PLATE—1 cs, 1,800 lbs, Schwaben, Brussels
SHEET—31 cs, 13,050 lbs, Schwaben, Prague
GLUE, VEGETABE—110 lbs, Schwaben, Dresden
GUM, DAMMAR—2,240 lbs, Tosari, Singapore
HEMPSEED MEAL—100,000 lbs, Tohsei, Kobe
LAUREL LEAVES — 2,230 lbs, President Pierce, Marseilles
LEAVES—100 lbs, Myoko, Yokohama
MEDICINAL PREPS—80 lbs, Anna Maersk, Kobe
OIL, CHINAWOOD — 126,000 lbs, Roseville, Hongkong
CODLIVER—3,370 lbs, Vancouver, Bergen
OLIVE—15,430 lbs, President Pierce, Marseilles
20,880 lbs, President Pierce, Florence
10,990 lbs, President Pierce, Tunis
10,290 lbs, President Pierce, Genoa
11,030 lbs, from Marseilles
4,430 lbs, President Pierce, Athens
RAPSEED—60,000 lbs, Tohsei, Kobe
RICE BRAN—99,600 lbs, Florida, Osaka
PAPRIKA—3,300 lbs, from Szeged, Hungary
PEPPER, WHITE—7,150 lbs, Tosari, Batavia
PERFUMERY—10 lbs, from Florence
POTASH, CAUSTIC—5,680 lbs, Lima, Gothenburg
PYRETHRUM FLOWERS — 33,600 lbs, Anna Maersk, Kobe
11,240 lbs, Hardanger, Rio de Janeiro
RICE FLOUR—800 lbs, Myoko, Yokohama
SEAWEEDS—450 lbs, Myoko, Yokohama
740 lbs, Florida, Kobe
100 lbs, Asakasan, Kobe
SESAME SEED—150 lbs, Myoko, Yokohama
SODA NITRATE—700,380 lbs, Coya, Tocopilla
STARCH—1,090 lbs, Florida, Kobe
240 lbs, Myoko, Kobe
500 lbs, Asakasan, Kobe
POTATO—250 lbs, Myoko Yokohama
TANKAGE—44,800 lbs, Takaoka, Callao
61,770 lbs, Hardanger, Buenos Aires
TAPIOCA FLOUR—37,350 lbs, Tosari, Sourabaya
TOILET PREPS—20 lbs, Anna Maersk, Kobe
WAX, CARNAUBA — 1,750 lbs, Hardanger, Parnahyba
ZINC OXIDE—4,410 lbs, President Pierce, Marseilles

Mobile Imports

BAUXITE ORE — 2,780 tons, Marita, Paramaribo

New Orleans Imports

ACID, CRESYLIC—80 dms, O Olsen, Oakman, Rotterdam
BAUXITE ORE—3,640 tons, Republic Mining & Manufacturing Co, Fairfield, Paramaribo
434 tons, Republic Mining & Manufacturing Co, Fairfield, Port of Spain
CHEMICALS—200 sks, Vigrid, Gdynia
COCONUTS—50 sks, W R Grace & Co, Cadmus, Kingston
100 sks, J Blake, Jr, Cadmus, Belize
COPRA MEAL—35 sks, J Lloveras, Cefalu, Ceiba
GUM, CHICLE—362 bls, Wm Wrigley, Jr, Cadmus, Puerto Barrios
MOLASSES—862,277 gls, Commercial Molasses Corp, Amolco, Banes
OIL, COCONUT—560 tons, Tatsuno, Manila
LINSEED—30 dms, Oakman, Rotterdam
OLIVE—225 cs, Lucia C, Palermo
PYRETHRUM FLOWERS—75 bls, Thompson-Hayward Chemical Co, Tatsuno, Otaru
SAGE LEAVES—24 bls, Lucia C, Dubrovnik
SALT, FRUIT—2 cs, Standard Fruit, Oakman, Rotterdam
SPONGES—29 bls, Ulua, Havana

Norfolk Imports

CALCIUM PHOSPHATE, DIBASIC—560 bgs, 49 tons, Black Tern, Rotterdam
CHEMICALS—268 cks, Hercules Powder Co, Maasdam, Rotterdam, Wilmington
HOOFS—275 bgs, 34,885 lbs, Geck Trading Corp, Smaragd, Havana
HORNS—475 bgs, 5,343 lbs, Geck Trading Corp, Smaragd, Havana
LEATHER SCRAP—111 bls, 3 tons, Smith Rowland Co, Black Tern, Rotterdam
989 bgs, 20 tons, Smith Rowland Co, Black Tern, Rotterdam
931 bgs, 35,552 lbs, Lehigh, London
1,678 bls, Manchester Brigade, Manchester
MANGANESE ORE—8,250 tons, E J Lavino & Co, Carperby, Takoradi
8,200 tons, E J Lavino & Co, Reedpool, Takoradi, Philadelphia
OIL, FUEL—23,000 bbls, 966,000 gls, Standard Oil Co of N J, Charles Pratt, Aruba
SALTPETER—361 tons, Canadian, Tocopilla
SODA NITRATE—3,719 tons, Canadian, Tocopilla
TAPIOCA FLOUR—5,151 bgs, Guaranty Trust Co N Y, Dolius, Cheribon
50 bgs, Maasdam, Rotterdam

Philadelphia Imports

ACIDS, LINSEED, FATTY—38 dms, Black Eagle, Antwerp
BAUXITE—1,544 tons, Aluminum Union, Ingrid, Georgetown
935 tons, Ingrid, Port of Spain
BONES—1,265,000 kilos, Paraguayo, Santa Fe
MEAL—550 bgs, Clara, Fiume
CAMPHOR — 4 cs, Rutzler Bros, Bordeaux, Kobe
CARAWAY SEED —60 bgs, Quaker City Mills, Black Eagle, Rotterdam
CHEMICALS—154 bgs, Chase National Bank, Black Eagle, Rotterdam
400 bgs, Advance Solvents & Chem Corp, Black Eagle, Rotterdam
CHILLIES—40 bgs, Parris Bros., Bordeaux, Kobe
CHROME ORE — 5,000 tons, U S Vanadium Corp, Snestad, Sabang
4,000 tons, Lavino Shipping Co, Bordeaux, Santa Cruz, Zambales
1 cs, samples, Electric Metallurgical Co, Bordeaux, Santa Cruz, Zambales
CLOVES—58 bgs, Catz American Co, Talisse, Aboina via Macassar
COCOA BEANS — 500 bgs, Lages, Rio de Janeiro,
4,000 bgs, Blumenthal Bros, Lages, Rio de Janeiro
2,098 bgs, J Basler, West Humhaw, Lagos
2,805 bgs, Afram Trading Corp, West Humhaw, Lagos
2,211 bgs, West Humhaw, Lagos
13,306 bgs, Balfour, Guthrie & Co, West Humhaw, Lagos
3,750 bgs, Superintendence Co, West Humhaw, Grand Bassam
1,498 bgs, Arles Co, West Humhaw, Port Bouet
4,725 bgs, Balfour, Guthrie & Co, West Humhaw, Port Bouet
1,500 bgs, Superintendence Co, West Humhaw, Grand Lahou
3,025 bgs, Superintendence Co, West Humhaw, Sassandra
WASTE, GROUND—300 bgs, Woodward & Dickerson, Black Eagle, Rotterdam
COCONUT DESIC—100 cs, Malancha, Colombo
CORK, BOARD—2,200 bls, Armstrong Cork Co, Ciara, Gibraltar
REFUSE — 3,640 bls, Armstrong Cork Co, Monrosa, Algeria
1,628 bls, Armstrong Cork Co, Monrosa, Algiers
VIRGIN — 10,500 bls, Armstrong Cork Co, Monrosa, Casablanca
WASTE—1,320 bls, Armstrong Cork Co, Monrosa, Algeria
8,143 bls, Armstrong Cork Co, Monrosa, Algiers
WOOD—12,262 bls, Armstrong Cork Co, Capo Olmo, Seville
60 bls, Armstrong Cork Co, Monrosa, Algiers
FERTILIZER—100 bgs, Black Eagle, Rotterdam
FLAXSEED—4,580 tons, Tugela, Concepcion
1,215 tons, Tugela, Buenos Aires
2,869 bgs, Tugela, Buenos Aires
1,367,336 tons, Louis Dreyfus & Co, Paraguayo, Ibicuy
6,027 bgs, Louis Dreyfus & Co, Paraguayo, Ibicuy
2,540,000 kilos, Louis Dreyfus & Co, Paraguayo, Santa Fe
GINGER, DRIED—30 bgs, Parris Bros, Bordeaux, Kobe
ILMENITE SAND — 7,750 tons, Silvercedar, Kolithottam
9,600 tons, Mount Helmos, Quilon
IRON, SPONGE—1 lot, Ekstrand & Thorland, Inc, Svaneholm, Gothenburg
MOLASSES — 500,563 gls, North American Trading & Import Co, Winnetou, Boqueron
925,679 gls, North American Trading & Import Co, Winnetou, Antilla
1 bx, samples, American Molasses Co, Ingrid, Port of Spain
MUSTARD SEED—311 bgs, Bank of New York & Trust Co, Bordeaux, Tientsin
MYROBALANS—1,200 pkts, Guaranty Trust Co, Sawokla, Calcutta
OIL, COTTONSEED—1,374 dms, Lages, Rio de Janeiro
1,068 dms, Paraguayo, Santos
VEGETABLE—100 dms, W R Grace & Co, Bordeaux, Kobe
PEPPER, WHITE—86 bgs, Talisse, Macassar
POPPYSEED — 40 bgs, Quaker City Coffee Mills, Black Eagle, Rotterdam
POTATO STARCH—250 bgs, Stein, Hall & Co, Black Eagle, Rotterdam
PYRETHRUM FLOWERS—25 bls, Philadelphia National Bank, Bordeaux, Kobe
PYRITES ORE — 4,113 tons, Boston City, Huelva
TANKAGE — 2,000 bgs, Chas R Shoemaker, Paraguayo, Buenos Aires
TAPIOCA FLAKE SIFTINGS—614 bgs, Guaranty Trust Co, Talisse, Batavia
FLOUR—200 bgs, Guaranty Trust Co, Talisse, Batavia
552 bgs, Guaranty Trust Co, Talisse, Pasoeroean
WAX, CARNAUBA—250 bgs, Brown Brothers Harriman & Co, Boniface, Parnaiba
WETTING AGENT—25 dms, Ciba Co, Black Eagle, Rotterdam

Portland, Ore., Imports

AGAR AGAR—5 bls, Pacific Trading Co, Tohsei, Yokohama
LINSEED MEAL—1,000 sks, Mitsubishi Shoji Kaisha, Tohsei, Kobe
RAPESEED—70 sks, Hindanger, Rotterdam
SARDINE MEAL—4,000 sks, Mitsubishi Shoji Kaisha, Tohsei, Kobe
SODA, CYANIDE—30 cs, American Cyanamid & Chemical Corpn, Damsterdijk, Rotterdam

San Francisco Imports

ACID, NITRIC—30 dms, Advance Solvents & Chemical Corp, Laurits Swenson, Heroen-Porsgrund (for Oakland)
AGAR AGAR—20 bls, Mitsubishi Shoji Kaisha, President Taft, Kobe
BLEACHING POWDER—95 dms, Wilson & George Meyer & Co, Schwaben, Hamburg
BRISTLES—55 cs, National City Bank of N Y, President Taft, Kobe
28 cs, S Hirshenhorn & Sons, President Taft, Kobe
3 cs, A M Copen's Sons, President Taft, Kobe
51 cs, S Hirshenhorn & Sons, President Taft, Hongkong
28 cs, Bank of Manhattan, President Taft, Kobe
55 cs, F H Cone & Co, President Taft, Kobe
CALCIUM NITRATE—4,000 sks, Wilson & George Meyer & Co, Laurits Swenson, Heroen-Porsgrund
CHEMICAL FERTILIZER—9 sks, Wilson & George Meyer & Co, Portland, Hamburg
CHEMICALS—220 dms, Wells Fargo Bank & Union Trust Co, Portland, Antwerp
CHILLIES—100 sks, S L Jones & Co, President Taft, Kobe
CINNAMON QUILLS—225 bls, D Hecht & Co, President Taft, Hongkong
COCOA BEANS—150 sks, Henry W Peabody & Co, President Taft, Hongkong
COCONUT, DESIC—2,571 cs, J E Lowden, President Taft, Manila
9 cs, Philippine Desiccated Coconut Corp, President Taft, Manila
870 cs, Durkee Famous Foods, President Taft, Manila
COPPERAS—200 sks, Portland, Antwerp
FLINT PEBBLES—100 sks, Balfour, Guthrie & Co, Amerika, Copenhagen (for Oakland)
GINGER ROOT — 82 sks, Barclays Bank, Amerika, Kingston
88 pkgs, President Taft, Hongkong
GOURMET POWDER—75 pkgs, Lun Tai & Co, President Taft, Shanghai
GRAPHITE—100 bgs, President Taft, Hongkong
GUM COPAL—100 sks, American Cyanamid & Chemical Corp, Portland, Antwerp
INK—1 cs, Hinomoto Co, President Taft, Yokohama
MEDICINAL PREPS—18 pkgs, Fock Woo Tong, President Taft, Hongkong
1 cs, Fung Chong, President Taft, Hongkong
6 cs, Chong Kee Chan Co, President Taft, Hongkong
1 cs, Wing Hing Chong, President Taft, Hongkong
1 cs, Kwong Yick, President Taft, Hongkong
2 cs, Pacific Trading Co, President Taft, Hongkong
OIL, CHINAWOOD—450 dms, D Hecht & Co, President Taft, Hongkong
100 dms, W Prescott, President Taft, Hongkong
308 tons, Werner G Smith Co, President Taft, Hongkong
CODLIVER — 50 dms, Fred Olsen Line Agency, Laurits Swenson, Oslo (for Oakland)
CODLIVER, POULTRY—50 dms, Wilbur-Ellis Co, Laurits Swenson, Oslo
MINERAL—30 dms, S Schwabacher & Co, Portland, Hamburg
PEANUT—20 cs, Auong Yuen Lung Co, President Taft, Hongkong
PAPRIKA—50 sks, McClintock-Stern Co, Portland, Hamburg
PEATMOSS—250 bls, East Asiatic Co, Amerika, Copenhagen
SAND—25 sks, Martin Kosterlitz, Schwaben, Hamburg
SODA SULPHITE—25 dms, Braun-Knecht-Heimann Co, Schwaben, Antwerp
STARCH—50 cs, Kwong Yick, President Taft, Hongkong
TAR, WOOD—1 can, Henry Kirchmann, Rosebank, Vancouver
TOILET PREPS—4 cs, Leong Quong Chy, President Taft, Hongkong
2 cs, Hinomoto Co, President Taft, Yokohama
WOODFLOUR—1,905 sks, B L Soberski, Laurits Swenson, Oslo
ZINC AMMONIA CHLORIDE—24 csks, Ore & Chemical Corpn, Schwaben, Antwerp (for Oakland)

Savannah Imports

CHEMICALS—40 bbls, Saccarappa, Hamburg
PEATMOSS—575 bls, Saccarappa, Bremen
SALTCAKE — 1,816,000 kilos, Saccarappa, Bremen

Seattle Imports

FERTILIZER—3 sks, Damsterdijk, London
MOLASSES—1,000,000 lbs, Mana, Ahukini
OIL, EUCALYPTUS — Quantity, McKesson-Stewart Holmes Drug Co, Monterey Melbourne (transhipped)

Tampa Imports

CASTOR MEAL—801 bgs, Boschdijk, Antwerp
OILMEAL—1,300 bgs, Lucia C Genoa
SOAP—2 ctns, Cuba, Havana

Exports from U.S. Ports

New York Exports

Clearance Dates

Alaunia, March 3; Alex Van Opstal, February 28; American Banker, February 18; American Shipper, February 25; Andania, February 24; Argentino, February 18; Atatusan, March 1; Belvedere, March 4; Bennestvet, February 25; Berengaria, March 2; Birmania, February 25; Black Falcon, February 25; Blankaholm, February 25; Breedijk, February 26; Caledonia, March 3; Chiriqui, February 16; City of Canberra, February 24; City of Lyons, February 18; Coamo, February 24; Cristobal, February 23; Dagrun, March 1; Dundrum Castle, February 23; Europa, February 25; Examelia, February 25; Gloucester City, March 1; Goviken, February 25; Gunvor, February 21; Haiti, February 24; Helga, February 25; Idefjord, February 23; Kano, February 28; Kelso, March 1; Konigstein, February 25; Kusnets Lesov, February 26; Lages, March 3; Lancastria, February 18; Lihue, February 25; Manhattan, February 21; Mormactide, February 25; Nankai, February 26; New Brunswick, February 19; Nordkap, February 25; Norefjord, March 2; Pan America, February 26; Ponce, February 25; Quaker City, March 5; Quirigua, February 11; Rena, February 28; Rex, February 25; San Benito, February 16; Santa Rita, February 18; Saturnia, February 11; Scythia, February 25; Siboney, February 18; Solstad, February 28; Steel Engineer, February 21; Tercero, February 10; Tivives, February 18; Tureby, February 18; Vestvaard, February 26; Vincent, March 2; West Kebar, February 28; Westernland, February 18; Yucatan, February 25

ACETONE—6,592 lbs, Black Falcon, Rotterdam; 13,216 lbs, Mormactide, Norrkoeping; 6,115 lbs, Vestvaard, Port Elizabeth
ACID, GAMMA—302 lbs, Black Falcon, Antwerp
MONOCHLORACETIC—6,798 lbs, Andania, London
MURIATIC—2,888 lbs, Helga, Callao
NITRIC—2,653 lbs, Helga, Callao
SULPHURIC—6,036 lbs, Haiti, Porto Colombia; 18,453 lbs, Coamo, San Juan
AMMONIA, ANHYDR—26,833 lbs, West Kebar, Marshall
ANIMAL DIP—6,300 lbs, Coamo, San Juan
ASPHALT—60,885 lbs, Santa Rita, Buenaventura; (Dundrum Castle) 110,885 lbs, Port Elizabeth; 20,840 lbs, East London; 22,030 lbs, Vincent, Havre; 7,240 lbs, Nordkap, Istanbul; 4,157 lbs, American Shipper, Manchester; 6,456 lbs, Mormactide, Stockholm; 439,577 lbs, Examelia, Piraeus
LIQUID—14,214 lbs, Lancastria, Liverpool; 18,942 lbs, Caledonia, Glasgow; 11,597 lbs, American Shipper, Manchester
SOLID—24,147 lbs, American Banker, London; 191,230 lbs, American Shipper, Liverpool
BARK—1,185 lbs, American Shipper, Manchester; 2,088 lbs, Rex, Genoa
BENZOL—4,565 gls, Tercero, Buenos Aires
BLUE—11,875 lbs, Helga, Valparaiso
VITRIOL—67,200 lbs, Examelia, Istanbul
BUTYL ACETATE—2,646 lbs, Idefjord, Oslo
CALCIUM ARSENATE—136,485 lbs, Helga, Buenaventura
PHOSPHATE—9,170 lbs, Vincent, Havre
CHEMICALS—14,744 lbs, Tureby, Santos; 1,232 lbs, Manhattan, Hamburg; 7,692 lbs, Scanpenn, Norrkoeping; 51,238 lbs, American Banker, London; (Mormactide) 11,205 lbs, Gothenburg; 12,200 lbs, Helsingfors
CHLORINE—4,063 lbs, Tivives, Porto Barrios
CLAY—20,400 lbs, Andania, London
COALTAR INTERMEDIATES — 23,615 lbs, Yucatan, Vera Cruz; 2,475 lbs, Alaunia, London
COLOR, DRY—1,254 lbs, Tureby, Buenos Aires; 4,670 lbs, Quirigua, Havana; 2,413 lbs, Rex, Genoa
CORNFLOUR—71,000 lbs, Chiriqui, Porto Colombia; 16,980 lbs, Quirigua, Havana; (City of Lyons) 22,500 lbs, Manila; 7,755 lbs, Cebu
SUGAR—30,300 lbs, Deutschland, Hamburg; 2,233 lbs, Vincent, Dunkirk; 2,525 lbs, Breedijk, Rotterdam
SYRUP—6,224 lbs, Tivives, Porto Barrios; 1,521 lbs, Chiriqui, Kingston; 26,881 lbs, Quirigua, Havana; 15,098 lbs, Blankaholm, Stockholm
CYANAMID—101,400 lbs, Coamo, San Juan
DEXTRIN—2,280 lbs, Alaunia, London; 202 lbs, American Banker, London; 2,424 lbs, Andania, London
CORN—1,132 lbs, Quirigua, Havana; 28,400 lbs, American Farmer, London
DICHLORODIFLUOROMETHANE — 1,874 lbs, Black Falcon, Antwerp; 1,288 lbs, Idefjord, Oslo
DYES—(Black Falcon) 15,817 lbs, Antwerp; 5,096 lbs, Rotterdam; 5,460 lbs, Alex Van Opstal, Antwerp; (Deutschland) 4,386 lbs, Reichenberg; 950 lbs, Klaipeda; 2,740 lbs, Manhattan, Hamburg; 1,504 lbs, Helga, Guayaquil; 18,700 lbs, Westernland, Antwerp; 1,525 lbs, Tercero, Santos; 4,466 lbs, American Banker, London; 17,415 lbs, Steel Engineer, Bombay; 3,267 lbs, Rex, Genoa; 7,461 lbs, Kusnets Lesov, Murmansk
ANILIN—1,323 lbs, Mormactide, Gothenburg
FERTILIZER — 613,500 lbs, New Brunswick, Monrovia; 56,700 lbs, Bennestvet, Grenada; 613,500 lbs, West Kebar, Marshall
FLOTATION REAGENT—10,062 lbs, Deutschland, Hamburg
FORMALDEHYDE—25,672 lbs, Tureby, Santos
GASOLINE—(West Kebar) 5,000 gls, Sherbro; 20,000 gls, Marshall; 30,000 gls, Lages, Rio Grande; 4,000 gls, Gloucester City, Cardiff
AVIATION — 11,000 gls, City of Canberra, Wellington; 3,612 gls, Santa Rita, Cristobal
GLASS, PLATE—6,050 lbs, Quirigua, Havana
WINDOW—2,520 lbs, Chiriqui, Kingston
GLUCOSE—2,700 lbs, Berengaria, London; 10,732 lbs, American Shipper, Liverpool
ANHYDROUS—10,150 lbs, Birmania, Trieste
SOLID (City of Canberra) 27,636 lbs, Wellington; 7,290 lbs, Dunedin; 14,100 lbs, Steel Engineer, Bombay
GLYCERIN—680 lbs, Tivives, Porto Cortes
GREASE, ANIMAL—6,733 lbs, Black Falcon, Antwerp
LUBRICATING—(Nankai) 13,108 lbs, Yokohama; 4,980 lbs, Dairen; 2,150 lbs, Black Falcon, Amsterdam; 38,829 lbs, Lancastria, Liverpool; 89,160 lbs, Scythia, Liverpool; (Deutschland) 141,241 lbs, Hamburg; 3,851 lbs, Rio Benito; (New Brunswick) 1,993 lbs, Las Palmas; 1,257 lbs, Duala;

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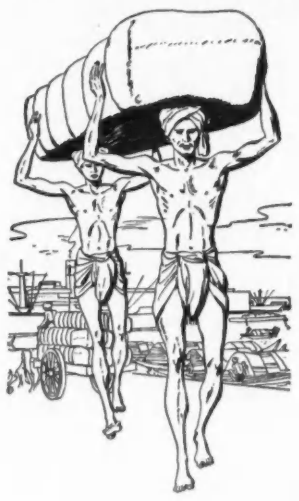

SUCH a brief message in this bank's exclusive Three-Letter Telegraphic Code* can carry all the details relative to the purchase and shipment of a hundred tons of jute for a San Francisco bag factory.

A similar message to us, from a Manila correspondent, may send a tanker steaming through the Golden Gate with a cargo of gasoline for the Philippines.

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AMERICAN TRUST COMPANY

HEAD OFFICE: SAN FRANCISCO :: BANKING SINCE 1854

MEMBER FEDERAL RESERVE SYSTEM

MEMBER F.D.I.C.

GREASE, LUBRICATING (Continued):—
(Manhattan) 23,950 lbs, Havre; 3,811 lbs, Bordeaux; 2,989 lbs, Asniers; (City of Canberra) 24,418 lbs, Auckland; 15,580 lbs, Wellington; 6,572 lbs, Lyttleton; 4,885 lbs, Dunedin; 2,212 lbs, Bluff; 2,150 lbs, Cristobal, Corinto; 19,345 lbs, Haiti, Port au Prince; 5,606 lbs, Chiriqui, Porto Colombia; 16,066 lbs, San Benito, Santiago; (Quirigua) 9,751 lbs, Havana; 1,100 lbs, Puntarenas; (Helga) 10,016 lbs, Buenaventura; 12,031 lbs, Guayaquil; 6,672 lbs, Arica; 29,898 lbs, Valparaiso; 2,455 lbs, Ponce, San Juan; (City of Lyons) 18,180 lbs, Manila; 30,955 lbs, Iloilo; 112,115 lbs, Hongkong; 38,566 lbs, Dairen; 28,159 lbs, Westernland, Brussels; (Dundrum Castle) 24,485 lbs, Durban; 13,040 lbs, Lourenco Marques; 59,403 lbs, Alaunia, London; 52,460 lbs, Vincent, Dunkirk; 737 lbs, Caledonia, Glasgow; (Kelso) 14,015 lbs, Hull; 9,610 lbs, Newcastle; (Blankaholm) 606 lbs, Gothenburg; 1,320 lbs, Norrkoeping; (Birmania) 19,032 lbs, Genoa; 1,800 lbs, Trieste; 63,540 lbs, American Banker, London; (Steel Engineer) 4,480 lbs, Bombay; 4,689 lbs, Calcutta; 26,155 lbs, Madras; 5,665 lbs, Bombay-Calcutta; (American Shipper) 26,459 lbs, Liverpool; 13,221 lbs, Manchester; 104,012 lbs, Rex, Genoa; (Mormactide) 14,218 lbs, Tonsberg; 18,805 lbs, Copenhagen; 2,824 lbs, Examelia, Piraeus

INK, PRINTING—11,244 lbs, Tureby, Santos
INSECTICIDE—10,205 lbs, Nankai, Yokohama; 31,600 lbs, Mormactide, Helsingfors
AGRICULTURAL — (Scanpenn) 1,326 lbs, Rauma; 2,665 lbs, Viipuri
DRY—7,305 lbs, Vincent, Havre
HOUSEHOLD—6,794 lbs, Deutschland, Budapest; (Kelso) 17,580 lbs, Hull; 25,676 lbs, Newcastle; 35,340 lbs, Gloucester City, Cardiff; 4,611 lbs, Examelia, Piraeus
LIQUID—23,100 lbs, Nankai, Osaka
IRON OXIDE—20,352 lbs, American Farmer, London; 7,150 lbs, Tercero, Buenos Aires
LACQUER—7,273 lbs, Pan America, Buenos Aires; 1,488 lbs, Idefjord, Oslo
LARD—33,936 lbs, Black Falcon, Antwerp; 52,350 lbs, Coamo, San Juan; 73,700 lbs, Quirigua, Havana; (Ponce) 8,224 lbs, San Juan; 40,000 lbs, Ponce; 28,000 lbs, Mayaguez; 7,900 lbs, Jobos; 82,983 lbs, American Farmer, London; 3,350 lbs, Caledonia, Glasgow; (Kelso) 473,500 lbs, Hull; 139,750 lbs, Newcastle; 44,100 lbs, Berengaria, Southampton; 199,385 lbs, American Banker, London; 63,000 lbs, Andania, London; 246,132 lbs, American Shipper, Liverpool
LEAD, RED—2,125 lbs, Quirigua, Havana
WHITE—20,745 lbs, Pan America, Buenos Aires
LINSEED CAKE—(Black Falcon) 4,811,384 lbs, Antwerp; 450,725 lbs, Rotterdam; 4,254,087 lbs, Alex Van Opstal, Antwerp; 680,423 lbs, Konigstein, Antwerp/Rotterdam
MEAL—224,000 lbs, American Shipper, Belfast
MAGNESIA OXIDE—10,653 lbs, Lancastria, Liverpool
METHYL CHLORIDE—12,149 lbs, Goviken, Santos
METHYLENE CHLORIDE—1,366 lbs, Tureby, Santos; 1,696 lbs, Argentino, Rio de Janeiro
MOLYBDENUM CONCE—880,344 lbs, Kusnets Lesov, Murmansk
NAPHTHA — (New Brunswick) 16,000 gls, Dakar; 5,500 gls, Bathurst; 20,000 gls, Monrovia; 17,000 gls, Sassandra; 5,000 gls, Port Bouet; 5,000 gls, Saltpond; 5,500 gls, Keta; 5,500 gls, Apapa; (West Kebar) 20,000 gls, Dakar; 15,000 gls, Conakry; 40,000 gls, Port Bouet; 5,500 gls, Addah; 200 gls, Cotonou; (Dundrum Castle) 6,000 gls, Ascension; 17,000 gls, Saint Helena
OIL, BRIGHT STOCK—2,500 tons, Solstad, London
CASTOR—4,597 lbs, American Shipper, Liverpool
CASTOR, SULPHONATED—25,998 lbs, Breedijk, Rotterdam
CHINAWOOD—26,589 lbs, Quirigua, Havana
COCONUT—12,391 lbs, Quirigua, Havana
CORN—904 lbs, City of Canberra, Auckland; 405 lbs, Bennestvet, St Thomas
CREOSOTE—5,515 lbs, San Benito, Guayaquil
CYLINDER—1,669,807 gls, Solstad, England or Belgium
FISH—9,924 lbs, Scythia, Liverpool
GAS—(New Brunswick) 1,650 gls, Bathurst; 16,500 gls, Keta; 5,500 gls, Lome; 5,500 gls, Lagos; 1,100 gls, Calabar; (West Kebar) 5,500 gls, Addah; 5,500 gls, Cotonou
MOTOR—(New Brunswick) 11,550 gls, Freetown; 2,750 gls, Port Bouet; 2,750 gls, Accra; 825 gls, Apapa
NEATSFOOT—13,091 lbs, Mormactide, Gdynia
OLEO—47,414 lbs, Alex Van Opstal, Antwerp; 9,268 lbs, Lancastria, Liverpool; 9,265 lbs, American Shipper, Liverpool; 25,921 lbs, Breedijk, Rotterdam; 4,670 lbs, American Banker, London
PEPPERMINT—400 lbs, Alex Van Opstal, Antwerp; 848 lbs, Deutschland, Hamburg
WORMSEED—120 lbs, Deutschland, Hamburg
PAINT—5,959 lbs, Pan America, Buenos Aires; (Black Falcon) 13,027 lbs, Antwerp; 1,902 lbs, Amsterdam; 4,537 lbs, Argentino, Buenos Aires; (City of Canberra) 248 lbs, Wellington; 21,615 lbs, Auckland; 820 lbs, Gunvor, St Croix; 2,190 lbs, Coamo, San Juan; 3,480 lbs, Quirigua, Puntarenas; 7,462 lbs, Helga, Callao; 6,703 lbs, American Farmer, London; 92,329 lbs, Goviken, Buenos Aires; 1,019 lbs, West Kebar, Lagos
ENAMEL—83,301 lbs, Alex Van Opstal, Antwerp; 6,565 lbs, Tureby, Buenos Aires
PREPARED—2,355 lbs, Tivives, Porto Barrios
THINNER—6,325 gls, Tureby, Buenos Aires; 1,100 gls, Quirigua, Havana; 2,970 gls, Helga, Valparaiso
PARAFFIN—22,244 lbs, Black Falcon, Amsterdam; (Deutschland) 35,362 lbs, Hamburg; 4,449 lbs, Oslo; 2,989 lbs, Manhattan, Havre; 22,027 lbs, Haiti, Porto Colombia; (San Benito) 5,467 lbs, Santiago; 22,913 lbs, Port Limon; (Helga) 20,152 lbs, Guayaquil; 21,953 lbs, Valparaiso; 113,110 lbs, Yucatan, Vera Cruz; (Scanpenn) 202,424 lbs, Gothenburg; 11,122 lbs, Copenhagen; 111,222 lbs, Belvedere, Genoa; (Blankaholm) 11,205 lbs, Gothenburg; 20,316 lbs, Stockholm; (Saturnia) 27,089 lbs, Fiume; 59,769 lbs, Trieste; (Birmania) 77,819 lbs, Naples; 89,150 lbs, Trieste; 44,946 lbs, Fiume; 212,963 lbs, American Shipper, Manchester; 11,129 lbs, Europa, Memel
SCALE—12,156 lbs, Black Falcon, Amsterdam; 121,591 lbs, Quaker City, Cork; 6,058 lbs, Breedijk, Amsterdam
PETROLEUM, REFD — (New Brunswick) 15,000 gls, Dakar; 2,500 gls, Bathurst; 500 gls, Freetown; 5,250 gls, Sassandra; 13,000 gls, Keta; 5,000 gls, Gunvor, Barbados; 8,000 gls, Ponce, Porto Plata; 2,340 gls, Bennestvet, St Croix; (West Kebar) 10,000 gls, Dakar; 6,000 gls, Sherbro; 10,000 gls, Port Bouet; 8,500 gls, Addah; 500 gls, Cotonou; (Dundrum Castle) 18,000 gls, Ascension; 13,200 gls, St Helena
PHENOL—600,935 lbs, Atutasan, Yokohama; 11,921 lbs, American Farmer, London
PHOSPHATE—11,200 lbs, Kelso, Newcastle
POTASH, BICHROMATE—23,882 lbs, Tercero, Buenos Aires; 4,882 lbs, Idefjord, Oslo
SULPHATE—200,995 lbs, Idefjord, Oslo
RESIN—2,440 lbs, Westernland, Antwerp
SYNTHETIC — 6,320 lbs, Lancastria, Liverpool; 6,500 lbs, Manhattan, Hamburg; 2,180 lbs, Scanpenn, Gdynia
ROSIN—2,580 lbs, Alex Van Opstal, Antwerp; 22,747 lbs, Lancastria, Liverpool; 7,095 lbs, Mormactide, Stockholm
SALT—13,220 lbs, Lihue, Hilo
SOAP—10,399 lbs, Pan America, Montevideo; 6,400 lbs, Lihue, Honolulu; 10,085 lbs, Ponce, San Juan
LAUNDRY—10,263 lbs, Ponce, Mayaguez
SODA, ASH—111,335 lbs, Santos; (Argentino) 77,800 lbs, Rio de Janeiro; 33,440 lbs, Buenos Aires; (City of Canberra) 27,450 lbs, Auckland; 14,370 lbs, Wellington; 6,090 lbs, Chiriqui, Porto Colombia; (San Benito) 14,600 lbs, Acajutla; 7,930 lbs, Corinto
BICHROMATE—122,164 lbs, Norefjord, Sande
BROMIDE—1,056 lbs, Blankaholm, Gothenburg; 64,980 lbs, Kusnets Lesov, Murmansk
CAUSTIC—33,721 lbs, Tureby, Santos; 280,500 lbs, Siboney, Vera Cruz; 36,780 lbs, Argentino, Buenos Aires; (City of Canberra) 13,580 lbs, Auckland; 26,592 lbs, Wellington; 18,900 lbs, Cristobal, Mazatlan; 31,582 lbs, Santa Rita, Talcahuano; (San Benito) 2,222 lbs, Port Limon; 4,200 lbs, Panama City; 650,000 lbs, Yucatan, Vera Cruz; (Helga) 21,555 lbs, Buenaventura; 10,969 lbs, Mollendo; (Tercero) 62,070 lbs, Santos; 230,400 lbs, Buenos Aires; 160,100 lbs, Dagrun, Buenos Aires; (Steel Engineer) 15,300 lbs, Calcutta; 97,566 lbs, Karachi
HYDROSULPHITE—7,320 lbs, Goviken, Buenos Aires
SILICATE — 21,594 lbs, Ponce, San Juan; 2,254 lbs, Scanpenn, Stockholm
SOOT—35,940 lbs, Deutschland, Hamburg
STARCH—1,410 lbs, Yucatan, Vera Cruz
CORN—6,923 lbs, New Brunswick, Funchal; 928 lbs, Bennestvet, St Thomas; 231 lbs, Lihue, Honolulu; (City of Lyons) 1,804 lbs, Manila; 5,632 lbs, Hongkong; 4,848 lbs, American Farmer, London; 4,206 lbs, Dundrum Castle, Beira; 11,320 lbs, Quaker City, Cork; 141,000 lbs, Steel Engineer, Bombay; 27,875 lbs, Breedijk, Rotterdam
TOLUOL—660 gls, Goviken, Santos
TURPENTINE—(City of Canberra) 3,850 gls, Auckland; 8,805 lbs, Wellington; 2,750 gls, Beyrouth; 2,200 gls, New Plymouth; 1,375 gls, Wanganui; 6,350 gls, Dunedin; 1,500 gls, Dagrun, Buenos Aires
VARNISH—939 lbs, Pan America, Buenos Aires; 2,264 lbs, Tercero, Santos
WITCH HAZEL EXTRACT—976 lbs, Coamo, San Juan; 9,920 lbs, Gloucester City, Bristol
ZINC DUST—1,352 lbs, New Brunswick, Port Bouet
OXIDE—446 lbs, Westernland, Southampton
STEARATE—2,440 lbs, Quirigua, Havana

Baltimore Exports
Clearance Dates

Asturias, March 2; Black Tern, March 7; City of Havre, March 3; Greylock, March 5; Lehigh, March 5; Manchester Brigade, March 5; Normandiet, March 7; San Bernardino, March 4; Vingaren, March 7; Wichita, March 7

ACID, CHROMIC—11,200 lbs, Manchester Brigade, Manchester; 6,600 lbs, City of Havre, Hambrug; 2,000 lbs, Black Tern, Antwerp; 4,400 lbs, Vingaren, Gothenburg
ASPHALT—9 tons, Asturias, Puerto Reyes
SOLID—38 tons, Manchester Brigade, Liverpool
CADMIUM LITHOPONE—2,688 lbs, City of Havre, London
CEMENT, ROOF—780 lbs, Vingaren, Gothenburg
CORNFLOUR—42,000 lbs, Manchester Brigade, Liverpool
SYRUP—82,825 lbs, Lehigh, Dublin
DENTAL COMPOUND—2,927 lbs, City of Havre, Paris
GLASS FRIT, CRSHD—15,000 lbs, City of Havre, London
LIQUID, CRSHD—3,325 lbs, Greylock, Port Natal
GREASE, LUBRICATING—2,200 lbs, Asturias, Puerto Reyes; (San Bernardino) 14,488 lbs, Talcahuano; 7,622 lbs, Valparaiso; 26,250 lbs, Manchester Brigade, Liverpool; (City of Havre) 4,270 lbs, Helsingfors; 1,000 lbs, Oslo
INSECTICIDE—1,866 lbs, Asturias, Curacao; (San Bernardino) 200 lbs, Colombia; 330 lbs, San Jose; (City of Havre) 6,026 lbs, France; 2,048 lbs, Hamburg
CHEMICAL COMP—2,839 lbs, Greylock, Johannesburg
CORN STARCH—60,200 lbs, Lehigh, Dublin
DEXTRIN—8,000 lbs, Greylock, Capetown
GREASE, LUBRICATING—7,469 lbs, Black Tern, Antwerp; 13,500 lbs, Wichita, Sydney
LACQUER—20 gls, Vingaren, Skara
LIME, LUMP—31,726 lbs, San Bernardino, Cristobal
LINSEED CAKE—50 tons, Lehigh, Belfast; 200 tons, Black Tern, Rotterdam
MEDICINAL PREPS—1,000 lbs, Greylock, Durban
OIL, LUBRICATING—271 gls, Asturias, Puerto Reyes; 275 bbls, Black Tern, Antwerp
MINERAL—(Manchester Brigade) 4,320 gls, Liverpool; 3,780 gls, Manchester; 6,696 gls, City of Havre, London
VEGETABLE—1,000 lbs, City of Havre, Hamburg
PAINT—648 gls, Asturias, La Rosa
PREPARED—40 gls, City of Havre, Oslo; 6 gls, Vingaren, Skara
PARAFFIN—44,000 lbs, City of Havre, Hamburg; 78,760 lbs, Lehigh, Dublin
PECTIN, POWD—1,000 lbs, Black Tern, Lugano
POLISH, AUTO—7,500 lbs, Greylock, Durban
FURNITURE—282 lbs, Asturias, Curacao
METAL—1,200 lbs, Asturias, La Rosa
POTASH MURIATE—(City of Havre) 100 lbs, Havre; 100 lbs, Hamburg
PUTTY—120 lbs, Greylock, Durban
RUTILE—22,400 lbs, Lehigh, Manchester
WITCH HAZEL LEAVES—5,076 lbs, City of Havre, Havre

Boston Exports
Clearance Dates

Caledonia, March 5; Erlangen, March 5; Limon, March 4; San Jose, March 14; Sarcoxie, March 10; Tivives, March 7; Yarmouth, March 5, 9

ACID, SULPHURIC—30 crbys, 5,400 lbs, Limon, Havana
ALUMINA OXIDE—1,492 bgs, 14 kegs, 153,453 lbs, Sarcoxie, La Courneuve
BLACK, LAMP—3 bxs, 180 lbs, Yarmouth, Moncton, N B
CARBON BISULPHIDE—10 cs, 500 lbs, Limon, Havana
CEMENT, RUBBER—4 cs, 124 lbs, Limon, Havana; 2 cs, 18 lbs, San Jose, Panama
WATERPROOF—1 cs, 60 lbs, Sarcoxie, Paris
CLEANER—80 cs, 920 lbs, Yarmouth, Halifax, N S
COALTAR—10 dms, 468 lbs, Limon, Havana
DRESSING, LEATHER—2 cs, 156 lbs, Limon, Havana
SHOE—46 pkgs, 3,450 lbs, Limon, Havana
FELDSPAR—172 bbls, 60,000 lbs, Sarcoxie, Argenteuil
FILLER—26 crtns, 840 lbs, Caledonia, Glasgow
GLUE, LIQ—3 cs, 53 lbs, Sarcoxie, Paris
INK, INDELIBLE—1 crtn, San Jose, Coco Solo, C Z
MARKING—8 dms, 1,075 lbs, Yarmouth, Windsor, N S
WRITING—(Tivives) 3 pkgs, Fort Randolph, C Z; 6 pkgs, Fort Clayton, C Z
INSECTICIDE—1 dm, 361 lbs, Limon, Havana
LEATHER WASTE—659 bls, 373,334 lbs, Sarcoxie, Havre
LINING COMP—1 dm, 479 lbs, Limon, Havana; (Erlanger) 25 dms, 1,190 lbs, Goteborg; 2 dms, 954 lbs, Ystad; 82 dms, 34,516 lbs, Sarcoxie, Havre
MEDICINAL PREPS—3 cs, 3 straps, 123 lbs, Limon, Havana; 3 cs, 97 lbs, Yarmouth, Yarmouth
NICOTINE, SULPHATE—40 dms, 20,000 lbs, Yarmouth, Port Williams, N S
OIL, LUBRICATING—(Yarmouth) 1 dm, 5 gls, Halifax, N S; 2 dms, 100 gls, St John, N B
PAINT, COPPER—10 cs, 100 gls, Tivives, Colon; 27 pkgs, 2,245 lbs, Limon, Havana
PASTE, ADHES—1 pkg, 32 lbs, Tivives, Fort Randolph, C Z
POLISH, SHOE—66 bxs, 2,580 lbs, Limon, Havana
SHELLAC—1 cs, 27 lbs, Limon, Havana
SODA, BICARBONATE—90 kegs, 60 bbls, 34,080 lbs, Yarmouth, St John, N B
SOLDER—1 cs, 67 lbs, Sarcoxie, Paris
SALTS—1 dm, 135 lbs, Erlangen, Ystad
WAX, SHOE—6 cs, 200 lbs, Limon, Havana

Corpus Christi Exports
Clearance Dates

Amsterdam, February 27; Davanger, February 25; Larry Doheny, February 25; Laurent Meeus, February 24; Orkanger, February 18; J N Pew, February 22

GASOLINE — 97,979 bbls, Orkanger, Havre; 26,603 bbls, Laurent Meeus, Amsterdam
OIL, GAS—96,252 bbls, J N Pew, Curacao; 41,341 bbls, Laurent Meeus, Amsterdam
PETROLEUM, CRUDE — 26,791 bbls, Larry Doheny, Donges; 25,094 bbls, Davanger, Trieste; 81,003 bbls, Amsterdam, Foreign

Galveston Exports
Clearance Dates

Anubis, March 7; Binta, March 8; Canadolite, March 3; Clare Hugo Stinnes, March 3; Delmar, March 7; Kelkheim, March 3; Laura C, March 3; Nyholt, March 3

BLACK, CARBON—358 bgs, 151 cs, Kelkheim, Bremen; 900 bgs, 50 cs, Laura C, Trieste
GRAPEFRUIT JUICE—100 bbls, Clare Hugo Stinnes, Liverpool
OIL, GAS—44,100 bbls, Binta, Copenhagen
PETROLEUM, CRUDE—120,000 bbls, Canadolite, Halifax; 11,400 tons, Nyholt, Havre
SULPHUR—13 tons, Kelkheim, Hamburg; 300 bgs, Anubis, Hongkong; 3,000 tons, Delmar, Buenos Aires

Houston Exports
Clearance Dates

American Press, March 4; Chester Valley, March 3; Cranford, March 3; Meanticut, March 5; Minister Wedel, March 7; Pueblo, March 3; Sveve, March 3; West Cobalt, March 5; West Harshaw, March 5

BLACK, CARBON—(Cranford) 357 cs, 7,500 bgs, Havre; 100 cs, Antwerp; (American Press) 2 cs, Genoa; 700 bgs, Trieste; 18 cs, West Harshaw, Lisbon; (West Cobalt) 400 bgs, Liverpool; 6,900 bgs, 160 cs, Manchester; 5,050 bgs, Liverpool-Manchester
GASOLINE—45,000 bbls, Pueblo, Havana; 30 tons, Chester Valley, Ciudad Trujillo
GRAPEFRUIT JUICE—117 bbls, West Cobalt, Liverpool
GREASE, LUBRICATING—50 kegs, 25 dms, Pueblo, Havana
INSECTICIDE—50 ctns, Pueblo, Havana
OIL—15 tons, Chester Valley, San Juan
GAS—8,900 tons, Sveve, Rotterdam; 10,500 tons, Minister Wedel, Hamburg
LUBRICATING—68 dms, 85 qtr dms, Pueblo, Havana; 75 tons, Chester Valley, Ciudad Trujillo
REFINED—3 dms, Pueblo, Havana
POTASH—1 bg, Meanticut, Hamburg
SOAPSTOCK—150 bbls, West Cobalt, Liverpool

Lake Charles Exports
Clearance Date

West Camak, March 2

TURPENTINE—1,100 gls, West Camak, Avonmouth

Los Angeles Exports
Clearance Dates

Argyll, February 23; Athelknight, March 3; Athelviscount, February 23; Beckenham, February 21; Carolinian, February 17; Cathwood, February 28; El Mirlo, March 7; Erria, February 25; Eshbank, February 26; Ferncastle, February 24; Fernglen, March 5; Fernmoor, March 4; Fosna, February 21; Gertrude Maersk, February 15; Gregalia, February 23; Grete Maersk, March 1; Hoegh Giant, March 6; Kansai, February 27; Kingsley, February 18; Kyokuto, February 28; La Placentia, March 1; Manoeran, February 17; Margaret Johnson, February 16; Marit, February 24; Mitsu, February 22; Molokai, February 25; Montgomery City, February 17; Nils Moller, February 17; Otowasan, March 3; Prometheus, February 12; Roseville, February 25; San Calisto, February 26; Silveryew, February 12; Tejon, March 3; Toa, February 23; Toho, March 4; Tohsei, February 26; W S Miller, February 23; Wave, February 26; Zuiyo, February 22

ACID, BORIC—310 bgs, 38,360 lbs, Silveryew, Hongkong
CITRIC—1,150 lbs, Eskbank, Manila
ASPHALT CRUDE—(Kansai) 62 bgs, 13,440 lbs, Yokohama; 90 bgs, 17,920 lbs, Osaka; 36 bgs, 6,880 lbs, Grete Maersk, Yokohama
BORAX—99 sx, 10,920 lbs, Kansai, Yokohama; (Nils Moller) 464 sx, 51,160 lbs, Yokohama; 1,995 sx, 219,950 lbs, Osaka; 336 cs, 33,600 lbs, Manoeran, Lourenco Marques; 3,000 bgs, 336,000 lbs, Montgomery City, Cardiff; 394 bgs, 44,130 lbs, Margaret Johnson, Ronneby
CHEMICALS—850 lbs, Grete Maersk, Hongkong
CLAY—50 sx, 5,000 lbs, Boreaux, Porto Colombia
FILTER—160 sx, 8,000 lbs, Kingsley, Vancouver
DISTILLATE—10 dms, 3,660 lbs, Silveryew, Manila
GASOLINE—8,885 bbls, 2,318,900 lbs, Kyohuto, Kure; 29,874 bbls, 7,797,110 lbs, Fosna, Yokohama; 95,255 bbls, 24,867,300 lbs, San Calisto, Lizards; 1,780 dms, 586,210 lbs, Silveryew, Manila; 73,916 bbls, 19,292,080 lbs, W S Miller, Vladivostok; 142 dms, 2,000 cs, Argyll, Santa Rosalia; 2,101 bbls, 548,360 lbs, Otowasan, Tokuyama
AVIATION—1,000 dms, Grete Maersk, Yokohama; (Gertrude Maersk) 200 dms, 64,010 lbs, Dairen; 500 dms, 160,270 lbs, Osaka
GREASE, LUBRICATING—85 pls 3,000 lbs, Molokai, Guayames
INFUSORIAL EARTH—(Wave) 440 bgs, 43,900 lbs, Santos; 1,068 pkgs, 106,820 lbs, Buenos Aires; 1,318 bgs, 131,040 lbs, Rio de Janeiro; 1,320 bgs, 134,400 lbs, Molokai, Topolobampo; (Erria) 7 bgs, 480 lbs, Hull; 22 bgs, 2,230 lbs, Aarhus; 70 bgs, 7,000 lbs, Condor, Callao; (Margaret Johnson) 100 bgs, 10,150 lbs, Gothenburg; 110 bgs, 10,980 lbs, London
KEROSENE—3,000 cs, 425,000 lbs, Silveryew, Manila; 100 cs, 30 dms, 18,480 lbs, Argyll, Santa Rosalia
DISTILLATE—2,291 bbls, 646,020 lbs, Grete Maersk, Hongkong; 9,366 bbls, 2,641,210 lbs, Silveryew, Hongkong
LACQUER — 8,970 lbs, Silveryew, Manila; 13,350 lbs, Manoeran, Durban
THINNER—7,200 lbs, Manoeran, Durban
METHANOL—2,400 lbs, Grete Maersk, Hongkong
MINERAL SPTS—50 dms, 18,460 lbs, Wave, Buenos Aires; 55 dms, 19,310 lbs, Condor, Valparaiso
MOLYBDENUM, CONC—23,060 lbs, Margaret Johnson, Gothenburg
OIL, DIESEL—9,639 bbls, 3,007,370 lbs, La Placentia, Vancouver; (Ferncastle) 48,202 bbls, 15,039,020 lbs, Osaka; 3,094 bbls, 965,330 lbs, Osaka; 1,111 bbls, 346,630 lbs, Roseville, Manila; 9,012 bbls, 2,811,740 lbs, Fishbank, Cebu; (Mitsu) 18,882 bbls, 5,891,180 lbs, Shimotsu; 30,750 bbls, 9,594,000 lbs, Osaka; 65,604 bbls, 20,468,450 lbs, Athelknight, Osaka-Nagoya; 4,094 bbls, 1,277,330 lbs, Fernglen, Kamaichi; 24,298 bbls, 7,580,980 lbs, Otowasan, Tsurumi; 5,424 bbls, 1,692,290 lbs, Tohsei, Osaka; 77,504 bbls, 24,181,250 lbs, Hoegh Giant, Osaka-Nagasaki
FUEL—65,446 bbls, 21,793,520 lbs, Tejon, Ocean Falls; 16,023 bbls, 5,335,660 lbs, La Placentia, Vancouver; 60,697 bbls, 20,212,100 lbs, Cathwood, Tocopilla; 45,882 bbls, 15,278,710 lbs, Ferncastle, Osaka; 55,175 bbls, 18,373,200 lbs, Zuiyo, Sasebo; 49,972 bbls, 16,640,680 lbs, Marit, Tocopilla; 23,378 bbls, 7,784,870 lbs, Argyll, Santa Rosalia; 24,368 bbls, 8,204,450 lbs, Athelknight, Osaka-Nagoya; 19,313 bbls, 6,431,230 lbs, Otowasan, Tsurumi; 76,712 bbls, 25,545,100 lbs, El Mirlo, Chanaral
LEMON—100 lbs, Beckenham, Osaka
LUBRICATING—25 cs, 70 dms, 32,380 lbs, Molokai, Guayamas; 50 dms, 23,280 lbs, Prometheus, Hongkong
MOTOR—85 cs, 6 dms, 7,280 lbs, Gertrude Maersk, Manila
PAINT, LIQ—500 lbs, Molokai, Ensenada
THINNER—9,200 lbs, Silveryew, Manila
PECTIN, CITROUS—100 lbs, Margaret Johnson, Malmo; 3,700 lbs, Erria, Rotterdam
PETROLEUM, CRUDE—79,406 bbls, 24,774,670 lbs, Kyokuto, Kure; 94,757 bbls, 29,564,180 lbs, Athelviscount, Gensan; 55,141 bbls, 17,203,990 lbs, Fosna, Yokohama; 83,622 bbls, 26,090,060 lbs, Toa, Kure; 84,809 bbls, 26,460,410 lbs, Toho, Kure; 30,034 bbls, 9,370,610 lbs, Otowasan, Tokuyama
POTASH, MURIATE—23,340 bgs, 3,306,900 lbs, Beckenham, Yokohama
SODA, ASH—(Wave) 4,108 bgs, 616,200 lbs, Buenos Aires; 1,318 bgs, 131,040 lbs, Rio de Janeiro; 13 pkgs, 2,700 lbs, Condor, Puntarenas; 1,893 bgs, 200,020 lbs, Kingsley, Vancouver
BISULPHATE—2,000 lbs, Kingsley, Vancouver
CAUSTIC—200 cs, 10,000 lbs, Silveryew, Manila
SOLVENTS—820 lbs, Margaret Johnson, Mantyluoto
SULPHUR FLOWERS — 2,000 lbs, Condor, Guatemala
TALC—2,100 lbs, Condor, Guatemala
TOILET PREPS—750 lbs, Eshbank, Manila; 1,400 lbs, Silveryew, Manila

Mobile Exports
Clearance Date

Dalvangen, March 1

CLEANER—25 bbls, Dalvangen, Kingston
TURPENTINE—15 cs, Dalvangen, Bridgetown

New Orleans Exports
Clearance Dates

Binnendijk, February 28; Bochum, January 17; Colorado Springs, February 28; Dessau, January 31; Frankenwald, February 11; Koenigsberg, February 1; Lindenbank, February 4; Munsterland, January 24; Sejro, February 28; Sinaloa, January 7; Sixaola, January 14; Toloa, January 7; Tribesman, February 19; Ulua, January 11; West Gambo, February 11

ANIMAL CHARCOAL — 2 tons, Binnendijk, London
ASPHALT—38 dms, Toloa, Puntarenas; (Bochum) 256 sx, Hamburg; 199 sx, Bremen-Hamburg; (Frankenwald) 18 sx, Bremen-Bremerhaven; 422 sx, Hamburg; 5 tons, West Gambo, Dublin; 310 dms, Guayaquil
CRUDE—20 tons, Colorado Springs, Manchester
GILSONITE—340 sx, Frankenwald, Hamburg
BAKING POWDER—2 tons, Ulua, Tela
BLACK, CARBON—(Tribesman) 20 cs, Liverpool; 50 cs, Manchester; (Bochum) 3,993 sx, Bremen-Bremerhaven; 59 cs, Bremen-Hamburg; (Koenigsberg) 332 sx, Bremen; 100 cs, Hamburg; 1,540 sx, Bremen-Hamburg; 100 cs, Frankenwald, Hamburg; 5 cs, Dessau; (Colorado Springs) 2 tons, Manchester; 7 tons, Liverpool-Manchester; (West Gambo) 11 tons, Avonmouth; 11 tons, Dublin; 7 tons, Binnendijk, London; (Lindenbank) 154 tons, Sydney; 92 tons, Melbourne; 1 ton, Adelaide
CALCIUM ARSENATE—50 dms, Sixaola, Pisco
CLAY—480 sx, Koenigsberg, Bremen; 150 sx, Sixaola, Salaverry
GROUND—600 sx, Bochum, Hamburg; 180 sx, Koenigsberg, Hamburg; 22 tons, Colorado Springs, Manchester; 10 tons, West Gambo, Avonmouth
COCOA WASTE—21 tons, Binnendijk, Amsterdam
CORN SYRUP—120 bbls, Tribesman, Liverpool; 38 tons, West Gambo, Glasgow
COTTONSEED CAKE—(Sejro) 1,060 tons, Norresundby; 1,060 tons, Landskrona
HULL SHAVING PULP—(Colorado Springs) 5 tons, Liverpool; 200 tons, Manchester
CREOSOTE—10 dms, Toloa, Panama
DISINFECTANT—4 dms, Toloa, Puerto Limon; 1 ton, Ulua, Puerto Barrios
DRUGS—57 cs, Munsterland, Manila
EGG YOLK—30 cs, Koenigsberg, Hamburg
FIRECLAY—70 dms, Koenigsberg, Hamburg; 8 pkgs, Dessau, Wellington; 50 dms, Ulua, Tela; (Lindenbank) 1 ton, Sydney; 4 tons, Melbourne; 14 tons, Toloa, Guayaquil; 34 tons, Sixaola, Panama
GASOLINE—25 dms, Sinaloa, Bluefields

GLUCOSE — (Dessau) 12 bbls, Lyttleton; 10 bbls, Dunedin
SOLID—2 tons, Binnendijk, Rotterdam
GREASE, LUBRICATING—264 bbls, Bochum, Hamburg; 24 pls, 4 qtr dms, Sixaola, Panama
INK—15 dms, Sixaola, Havana
INSECTICIDE—5 dms, Toloa, Puerto Limon; 6 dms, Bochum, Bremen-Hamburg optional; 2 dms, Frankenwald, Bremen-Hamburg; 1 ton, Ulua, Puerto Barrios
KEROSENE—50 cs, Toloa, Puerto Limon; 150 cs, 5 dms, Sinaloa, Bluefields; 25 dms, Ulua, Puerto Barrios; 75 cs, Sixaola, Puerto Limon
LARD—(Toloa) 31 cs, 80 crts, 500 dms, 622 tins, Havana; 300 tins, Panama; 250 tins, Puerto Armuelles; 50 crts, Ulua, Puerto Barrios; 28 tons, West Gambo, Avonmouth; (Sixaola) 1,250 tins, 825 dms, Havana; 300 tins, Panama; 100 tins, Puerto Limon
SUBSTITUTE—10 dms, Tribesman, Manchester
LEAD, RED—20 kgs, Sinaloa, Bluefields
LIGNIN LIQUOR — (West Gambo) 5 tons, Avonmouth; 11 tons, Glasgow
OIL, COTTONSEED—(Toloa) 550 cs, Havana; 150 dms, Cristobal
FUEL—30 dms, Sinaloa, Bluefields
LUBRICATING—(Tribesman) 135 bbls, Liverpool; 113 bbls, Manchester; 8 dms, Toloa, Mollendo; 28 bbls, Bochum, Hamburg; 55 dms, 660 tons, Koenigsberg, Hamburg; (Munsterland) 34 dms, Kobe; 18 cs, 70 dms, Manila; 6 dms, Ulua, Tela; 43 tons, Colorado Springs, Liverpool; (Lindenbank) 12 tons, Sydney; 21 tons, Melbourne; 27 tons, West Gambo, Dublin; 3 tons, Binnendijk, Rotterdam; (Sixaola) 30 dms, Havana; 10 dms, 3 qtr dms, 15 cs, Panama; 50 ctns, Puerto Limon
MOTOR—140 ctns, Toloa, Panama City
PINE—65 dms, Munsterland, Kobe; 1 ton, Lindenbank, Sydney; 11 tons, West Gambo, Glasgow
PARAFFIN — 100 sx, Toloa, Puerto Limon; (Sixaola) 100 sx, Puerto Limon; 60 sx, Puntarenas; 150 sx, Arica
117 bbls, Koenigsberg, Hamburg
PETROLATUM—30 bbls, Koenigsberg, Hamburg; 53 bbls, Frankenwald, Hamburg
PETROLEUM—270 bbls, Bochum, Hamburg
RESIN—14 tons, Binnendijk, Rotterdam
ROSIN—5 bbls, Toloa, Salaverry; 50 bbls, 2 bxs, samples, Koenigsberg, Hamburg; 80 bbls, Frankenwald, Hamburg; (Dessau) 13 bbls, Auckland; 15 bbls, Wellington; 1 bx, Dunedin; (Munsterland) 50 dms, Kobe; 195 bbls, Osaka; 200 dms, Manila; 14 tons, Colorado Springs, Liverpool; (Lindenbank) 1 ton, Sydney; 15 tons, Melbourne; 6 tons, Adelaide; (West Gambo) 37 tons, Avonmouth; 23 tons, Glasgow; 25 dms, Sixaola, Puerto Limon; 20 dms, Puntarenas; 100 sx, Cartagena; 40 bbls, Guayaquil
GUM—25 dms, Toloa, Panama; 100 bbls, Sixaola, Puerto Colombia
WOOD—(Toloa) 200 dms, Havana; 25 dms, Panama City; 71 tons, Binnendijk, Rotterdam; 25 dms, Sixaola, Havana
SALT—(Toloa) 27 tons, Havana; 1 ton, Puerto Limon; 806 sx, Dessau, Auckland; 1 ton, Sinaloa, Bluefields; 60 tons, Lindenbank, Sydney
TABLE—(Lindenbank) 8 tons, Sydney; 5 tons, Melbourne
SHRIMP BRAN—240 sx, Sixaola, Panama
SOAP—300 ctns, Sinaloa, Bluefields
STARCH—110 tons, Colorado Springs, Manchester; (Binnendijk) 212 tons, London; 41 tons, Rotterdam
CORN—8,797 sx, Tribesman, Manchester
SULPHUR—1,800 tons, Colorado Springs, Manchester; 151 tons, Lindenbank, Sydney
TAR—6 dms, Sixaola, Cristobal
TAPIOCA FLOUR — 475 tons, West Gambo, Belfast
TOBACCO EXTRACT—96 bbls, Bochum, Bremen-Bremerhaven; 39 bbls, Koenigsberg, Bremen
TRIPOLI — (Frankenwald) 110 sx, Bremen-Bremerhaven; 308 sx, Hamburg; 7 tons, Lindenbank, Sydney; (Binnendijk) 9 tons, Antwerp; 36 tons, Amsterdam
TURPENTINE—(Dessau) 50 dms, Auckland; 101 dms, Wellington; 50 dms, Lyttleton; 20 dms, Munsterland, Manila; 4 tons, Lindenbank, Melbourne
WOOD—10 dms, Toloa, Havana

Norfolk Exports
Clearance Dates

Black Tern, March 9; City of Havre, March 4; Manchester Brigade, March 7; Schodack, March 4; Smaragd, March 10; Tricolor, March 3

BARK—9 bgs, 1,117 lbs, City of Havre, London
CLAY—1,344 bgs, 29 tons, Manchester Brigade, Liverpool
CORNFLOUR—440 bgs, 26 tons, Tricolor, Manila
DEXTRIN, CORN—880 bgs, 124,520 lbs, Manchester Brigade, Manchester
DRUGS—3 bbls, 889 lbs, City of Havre, London
ELM BARK—6 bls, 2,295 lbs, City of Havre, London
GLUCOSE — 60 bbls, 46,094 lbs, Manchester Brigade, Liverpool
LARD—1,000 bxs, 64,500 lbs, Manchester Brigade, Liverpool; 3,700 bxs, 233,108 lbs, City of Havre, London
MICA, GRD—400 bgs, 40,000 lbs, City of Havre, London
PULVERIZED — (City of Havre) 320 bgs, 32,320 lbs, London; 200 bgs, 20,200 lbs, Hamburg; 50 bgs, Manchester Brigade, Manchester; 201 bgs, 20,301 lbs, Black Tern, Antwerp
MOLDING COMP — 16 dms, City of Havre, Hamburg
OIL, LUBRICATING—1 ctn, Tricolor, Manila; 70 bbls, 35,418 lbs, Schodack, Havre
SODA BICHROMATE, CRYST—18 cks, 14,251 lbs, Schodack, Havre
SOYBEAN, FLAKES—8,960 bgs, 902,720 lbs, Black Tern, Antwerp
MEAL—2,240 bgs, 225,680 lbs, Black Tern, Antwerp; 1,800 bgs, 181,200 lbs, Smaragd, Havana
STARCH CORN—440 bgs, 62,040 lbs, Manchester Brigade, Liverpool
TANNING EXTRACT—431 bgs, 240,316 lbs, Manchester Brigade, Liverpool; 299 bgs, 44,850 lbs, Black Tern, Antwerp
WITCH HAZEL BARK—4 bls, 1,169 lbs, City of Havre, London

Philadelphia Exports
Clearance Dates

Black Heron, March 5; Boston City, March 14; City of Rangoon, March 7; Exchester, March 9; Kellerwald, March 5; Linnell, March 7; Peisander, March 7; Scanstates, March 8; Sessa, March 4; West Imboden, March 9

AMMONIA, ANHYDR—17 cyls, Linnell, Manaos; 30 cyls, City of Rangoon, Karachi
ANTI-RUST SOL—2 pls, Sessa, Valparaiso
CEMENT, CHROME—10 dms, West Imboden, Buenos Aires
FIBRE—4 dms, Sessa, Valparaiso
GASKET—10 ctns, Exchester, Istanbul; 5 cs, City of Rangoon, Teheran
RUBBER—4 pls, 2 dms, Sessa, Valparaiso
CLEANER—4 pls, Exchester, Istanbul; 5 carboys, Scanstates, Gothenburg
CHROMIUM—1 cs, Exchester, Istanbul
ENAMEL—4 ctns, Exchester, Istanbul
GASOLINE—(Linnell) 1,000 cs, Para; 300 cs, Maranhao; 4,000 cs, 400 dms, Ceara; 3,000 cs, Natal; 2,000 cs, Bahia
GREASE, LUBRICATING—(Exchester) 20 cs, Thessaloniki; 124 cs, 40 ctns, Istanbul; 2 dms, Peisander, Batavia; 5 cs, Linnell; Maceio; 6 dms, 62 pls, 18 cs, Scanstates, Copenhagen; 1 cs, City of Rangoon, Rangoon
INSECTICIDE—129 cs, 188 bdls, Exchester, Istanbul; 24 ctns, City of Rangoon, Singapore
LEAK PREVENTER, RADIATOR—(City of Rangoon) 1 cs, Rangoon; 3 ctns, Motara
LICORICE PASTE—10 cs, Scanstates, Copenhagen; 40 cs, Boston City, Bristol
MEDICINAL PREPS—(City of Rangoon) 7 cs, Calcutta; 2 cs, Karachi
OIL, FUEL—20 dms, Linnell, Iquitos
ILLUMINATING—(Linnell) 2,000 cs, Para; 2,200 cs, Maranhao; 3,000 cs, Ceara; 2,000 cs, Natal; 4,000 cs, Pernambuco; 2,500 cs, Maceio; 6,000 cs, Bahia
LUBRICATING—9 dms, Sessa, Valparaiso; 333 bbls, Kellerwald, Hamburg; (Exchester) 160 dms, Piraeus; 10 cs, Thessaloniki; 120 cs, 100 dms, 21 ctns, 836 pkgs, Istanbul; (Peisander) 2 bxs, 20 pkgs, Port Swettenham; 628 pkgs, 18 dms, Batavia; 83 pkgs, Palembang; 28 pkgs, Padang; 409 pkgs, Medan; 269 pkgs, Samarang; 536 pkgs, Sourabaya; 55 pkgs, Sibolga; 77 pkgs, Macassar; 12 pkgs, Menado; (Linnell) 19 dms, Iquitos; 50 cs, Maranhao; 5 cs, 5 ctns, 3 dms, Natal; 150 ctns, 20 dms, Pernambuco; 5 dms, 5 cs, Maceio; (Scanstates) 200 ctns, 100 dms, Gothengurg; 5 bbls, Copenhagen; 2 cs, Gdynia; (City of Rangoon) 2,157 cs, 505 pkgs, Basra; 1 ctn, Motara; 2 cs, Teheran; 200 cs, 475 pkgs, Khoramshahr; 1,696 dms, 1,130 cs, 25 pls, Bombay; 200 pkgs, 65 dms, Karachi; 25 dms, 8 cs, Port Said; 936 dms, 110 pls, 370 cs, Calcutta; 110 pkgs, Port Okha; 10 pkgs, Colombo; 585 pkgs, Rangoon; 204 bbls, Bombay; 70 dms, 50 cs, West Imboden, Asuncion; 60 bbls, Boston City, Cardiff
NEATSFOOT—25 dms, Scanstates, Copenhagen
PINE—25 dms, Boston City, Bristol
RAPESEED—50 dms, Exchester, Piraeus
TRANSFORMER—50 cs, 10 dms, Linnell, Maceio
PAINT—106 pls, 22 dms, Sessa, Valparaiso; (Scanstates) 1 pl, Gothenburg; 272 ctns, 150 kits, Stockholm; 35 ctns, City of Rangoon, Motara; 170 pls, 10 dms, Black Heron, Antwerp
PASTE—15 ctns, Scanstates, Stockholm
THINNER—6 dms, City of Rangoon, Alexandria
PARAFFIN—51 bgs, Exchester, Thessaloniki; 83 bbls, Scanstates, Stockholm; 51 bgs, 151 bbls, Boston City, Bristol
PLASTIC—10 dms, West Imboden, Buenos Aires
POLISH, AUTO—1 pl, Sessa, Valparaiso
FURNITURE—1 cs, City of Rangoon, Singapore
SOAP, LAUNDRY—600 bxs, Boston City, Bristol
VARNISH—3 ctns, Scanstates, Stockholm
WAX, FLOOR—12 ctns, City of Rangoon, Singapore

Port Arthur Exports
Clearance Dates

Andrea, March 6; Anubis, March 3; Belgian Gulf, March 2; Lampus, March 7; Swift Scout, March 2

ASPHALT—926 dms, Anubis, Hongkong
GREASE, LUBRICATING—3 crts, samples, Belgian Gulf, Antwerp
OIL, FUEL—19,351 bbls, Lampus, Coruna; 21,314 bbls, Andrea, Danzig
GAS—32,986 bbls, Belgian Gulf, Antwerp; 32,588 bls, Lampus
LUBRICATING—12,544 bbls, 265 dms, Belgian Gulf, Antwerp
PETROLEUM, CRUDE — 78,204 bbls, Swift Scout, Bordeaux

San Francisco Exports
Clearance Dates

Bralanta, February 19; Condor, February 19; Dinteldijk, February 21; Erria, February 23; Este, February 18; Fella, February 25; Gregalia, February 19; Hoegh Silverstar, February 19; J A Moffett, February 19; Kingsley, February 23; Pacific Pioneer, February 17; President Cleveland, February 23; Silverguava, February 24

ACETONE—10 dms, Hoegh Silverstar, Philippine Islands
ACETYLENE—1 cyl, Condor, La Union
ACID, BORIC, POWD—1 cs, President Cleveland, Hongkong
MURIATIC—1 cs, President Cleveland, Hongkong
NITRIC—10 crbys, Hoegh Silverstar, Philippine Islands
SULPHURIC — 50 crbys, Hoegh Silverstar, Ceylon
ALUM, POWD—2 kgs, President Cleveland, Bangkok
AMMONIA, ANHYDR—173 cyls, Hoegh Silverstar, Persian Gulf
SULPHATE—100 sks, Hoegh Silverstar, Philippine Islands
APRICOT KERNELS—5 sks, Este, Hamburg; 100 sks, Gregalia, London; 3 sks, President Cleveland, Yokohama
ASPHALT—3 dms, Condor, La Union; (Hoegh Silverstar) 3,696 bbls, Singapore-Port Swettenham-Penang; 263 bbls, Netherlands East Indies; 9 dms, Philippine Islands; 100 bbls, Persian Gulf; 125 dms, India; 10 dms, President Cleveland, Manila; 1,000 dms, Silverguava, Singapore-Port Swettenham-Penang
GILSONITE—239 sks, Fella, Italy
BIOLOGICALS — 3 cs, President Cleveland, Hongkong
BLACK, CARBON—1 cs, President Cleveland, Yokohama
LAMP—1 cs, 3 bbls, President Cleveland, Manila
BLEACHING POWDER — 15 dms, President Cleveland, Hongkong
BOILER COMP — 4 dms, Hoegh Silverstar, Philippine Islands
BONE FLOUR—800 sks, Kingsley, Vancouver
BORAX—1 sk, Condor, San Jose de Guatemala; 22 dms, Hoegh Silverstar, Java
BUTTERMILK POWDER—30 bbls, President Cleveland, Hongkong
CALCIMINE—2 kgs, 15 cs, Hoegh Silverstar, India; 10 cs, President Cleveland, Bangkok
CANARY SEED—1 sk, Condor, La Libertad
CARBON BISULPHIDE—10 dms, Condor, San Salvador
CATGUT, SURGICAL—11 cs, President Cleveland, Hongkong
CEMENT, MAGNESIA—500 sks, Hoegh Silverstar, Java
CHARCOAL, ANIMAL—1 cs, President Cleveland, Hongkong
CHEMICALS—1 cs, Hoegh Silverstar, Philippine Islands; 2 cs, President Cleveland, Hongkong
CHLOROFORM — 6 cs, President Cleveland, Hongkong
CINNAMON — 2 bls, Condor, San Jose de Guatemala
CLEANER—(Hoegh Silverstar) 8 cs, Persian Gulf; 10 cs, Arabia; 3 cs, Kingsley, Vancouver
LIQUID—(Hoegh Silverstar) 15 cs, Bahrein; 6 cs, Persian Gulf
COALTAR—1 dm, Condor, San Salvador
COLOR, DRY — 4 kgs, President Cleveland, Manila
COTTONSEED — 122 sks, Hoegh Silverstar, Netherlands East Indies
CUMIN SEED—1 sk, Condor, San Miguel
DENTIFRICE—15 cs, Hoegh Silverstar, Straits Settlements
DEODORANT—1 cs, Condor, San Salvador
DEXTRIN—1 cs, Kingsley, Vancouver
DRUGS—130 cs, Hoegh Silverstar, Philippine Islands; 100 cs, India; 7 cs, Arabia; (President Cleveland) 7 cs, Hongkong; 24 cs, Manila
EPSOM SALT—3 sks, President Cleveland, Hongkong
FERTILIZER — 23 sks, President Cleveland, Manila
FILTER PAPER — 1 cs, Hoegh Silverstar, Philippine Islands
FIRECLAY—40 dms, Hoegh Silverstar, Philippine Islands, 600 sks, Kingsley, Vancouver
FLUX, SOLDER — 1 crt, Hoegh Silverstar, Philippine Islands
FLY SPRAY—20 dms, Hoegh Silverstar, India
FULLER'S EARTH—3,200 sks, Condor, Talara
GASOLINE—84,654 bbls, South Africa, Sydney-Adelaide-Freemantle; (Condor) 25 dms, San Jose de Guatemala; 1,000 cs, Puntarenas
GLUCOSE—20 bbls, Hoegh Silverstar, Philippine Islands; 10 cs, President Cleveland, Hongkong
GLUE — 1 bbl, Hoegh Silverstar, Philippine Islands; 25 pls, Kingsley, Vancouver
GLYCERIN—350 cs, President Cleveland, Manila
GRAPHITE, FLAKE—1 cs, Condor, La Union
GREASE, LUBRICATING — 3 dms, Condor, Puntarenas; 5 dms, Hoegh Silverstar, Philippine Islands; 12 pls, 6 cs, Kingsley, Vancouver; 8 cs, President Cleveland, Manila
GRINDELIA ROBUSTA HERBS—5 bls, Pacific Pioneer, London
GUM, COPAL — 3 dms, President Cleveland, Hongkong
GYPSUM—7 cs, President Cleveland, Hongkong
HOPS—4 cs, President Cleveland, Hongkong
HYDROGEN, PEROXIDE — 55 cs, Kingsley, Vancouver
INK, PRINTING—12 dms, Condor, Valparaiso; 6 cs, Hoegh Silverstar, India; (President Cleveland) 15 pkgs, 32 dms, 19 cs, Hongkong; 10 dms, 35 pls, 10 cs, President Cleveland, Manila
WRITING—(Hoegh Silverstar) 2 crts, India; 2 pkgs, 7 cs, Manila; 2 cs, Rizal
INSECTICIDE—(Condor) 2 cs, Guatemala; 20 dms, 1 cs, Acajutla
LIQUID—(Hoegh Silverstar) 30 cs, Bahrein; 20 cs, Persian Gulf
KEROSENE — 28,485 bbls, South Africa, Sydney-Melbourne - Adelaide - Freemantle; 100 cs, Condor, Puntarenas
LACQUER—(Condor) 8 cs, San Salvador; 1 cs, Manila
CELLULOSE — 1 cs, President Cleveland, Aparri
LEAD, RED, DRY—75 kegs, Hoegh Silverstar, Bandjermasin; (President Cleveland) 8 dms, Hongkong; 13 dms, 300 kegs, Manila
RED IN OIL—10 kegs, Condor, La Union
WHITE — 800 kegs, President Cleveland, Manila
WHITE, DRY—16 bbls, 4 kegs, President Cleveland, Cavite
LITHARGE, DRY—(President Cleveland) 8 dms, Hongkong; 6 dms, Manila
MEDICINAL PREPS—7 cs, Pacific Pioneer, London; 24 cs, Kingsley, Vancouver; 14 pkgs, President Cleveland, Hongkong
METHYL BROMIDE—1 cyl, 1 cs, Hoegh Silverstar, Philippine Islands
CHLORIDE—1 dm, Hoegh Silverstar, Philippine Islands; (Fella) 1 dm, Hungary; 1 dm, Jugoslavia; 1 dm, Austria
MILK POWDER—45 bbls, President Cleveland, Hongkong
MUCILAGE—1 cs, President Cleveland, Hongkong
NITROCELLULOSE—2 dms, Kingsley, Victoria
NUTMEGS—1 dm, Condor, San Jose de Guatemala
OIL, COCONUT, ACIDULATED — 65 dms, Condor, Guayaquil
COCONUT, CRUDE—1 dm, Kingsley, Vancouver
DIESEL—5,400 bbls, J A Moffett, Manzanillo-Mazatlan; (Bralanta) 35,080 bbls, Moji; 21,048 bbls, Hakodate; 35,080 bbls, Osaka
FISH—2 bbls, Kingsley, New Westminster; 8 cs, President Cleveland, Manila
FISH, HYDROGENATED — 40 sks, Este, Panama
FUEL—47,637 bbls, J A Moffett, Manzanillo-Mazatlan; 6,562 bbls, Bralanta, Osaka
LINSEED, BOILED—1 cs, Condor, La Union
LUBRICATING — 33 dms, South Africa, Sydney; 13 dms, Condor, Puntarenas; (Hoegh Silverstar) 90 dms, Australia; 215 dms, India; 345 dms, Philippine Islands; 10 dms, Straits Settlements; 420 dms, Persian Gulf; 355 dms, 6 cs, Java; 65 dms, Dinteldijk, Vancouver; 1 dm, Kingsley, Vancouver; 65 dms, Erria, Hull; 20 dms, President Cleveland, Hongkong; 4,550 bbls, Fella, Italy
TRANSFORMER—6 cs, Hoegh Silverstar, Penang; 100 cs, President Cleveland, Takao
WINTERGREEN—1 cs, Condor, Guatemala
OXYGEN—17 cyls, Condor, La Union
PAINT—24 cs, Este, Havana; 9 cs, Condor, San Salvador; (Hoegh Silverstar) 155 dms, 232 cs, 95 pls, India; 16 cs, Philippine Islands; (President Cleveland) 105 pls, 135 cs, 29 kgs, Manila; 1 dm, Bangkok
ALUMINUM—10 kgs, Condor, La Union
ASPHALT—2 dms, Silverstar, Persian Gulf
DRY—6 cs, Condor, San Salvador
PASTE—1 kg, President Cleveland, Moscow
PASTE, STATIONERS' — 3 pkgs, President Cleveland, Manila
PEPPER—(Condor) 25 sks, San Jose de Guatemala; 1 sk, Guatemala; 3 bls, Hoegh Silverstar, Philippine Islands
BLACK—1 sk, Condor, San Miguel
PETROLATUM—4 cs, Hoegh Silverstar, Persian Gulf
YELLOW — 15 dms, President Cleveland, Hongkong
PETROLEUM—202 dms, Pacific Pioneer, Purfleet; (President Cleveland) 200 dms, Kobe; 200 dms, Yokohama
PLASTIC WOOD—3 cs, President Cleveland, Manila
POLISH, FURNITURE—(Hoegh Silverstar) 20 cs, Bahrein; 18 cs, Persian Gulf
METAL—7 cs, Hoegh Silverstar, Philippine Islands; 16 cs, Kingsley, Vancouver
SHOE—6 cs, President Cleveland, Manila
POTASH, CAUSTIC—12 dms, Hoegh Silverstar, Philippine Islands
ETHYL XANTHATE—(Fella) 9 dms, Italy; 135 dms, Stanica Sokolarci
IODIDE—1 cs, President Cleveland, Hongkong
PERMANGANATE — 1 cs, President Cleveland, Hongkong
PYRETHRUM EXTRACT—1 cs, Condor, Guatemala
RUBBING COMP—1 cs, Condor, San Salvador
SALT—2 sks, 2 bls, Condor, San Jose de Guatemala; 10 bbls, 519 tons, Kingsley, Vancouver; 2 cs, President Cleveland, Hongkong
SARDINE MEAL — 100 sks, Hoegh Silverstar, Philippine Islands
SHELLAC, DRY — 1 sk, 1 cs, Condor, San Salvador
SOAP, MEDICATED — 1 cs, Kingsley, Vancouver
POWDER—4 cs, Hoegh Silverstar, Arabia
TOILET—(President Cleveland) 504 cs, Manila; 2 cs, Hongkong
SODA—2 bbls, 5 cs, Hoegh Silverstar, Philippine Islands
BICARBONATE—1 cs, President Cleveland, Hongkong
ETHYL XANTHATE — 480 dms, Kingsley, Kimberley
SILICATE—200 sks, Hoegh Silverstar, Philippine Islands; 557 sks, President Cleveland, Manila
TALC—11 pkgs, Fella, Africa
TAPIOCA—1 sk, Condor, San Jose de Guatemala
TOILET PREPS—1 cs, Condor, San Salvador; (Hoegh Silverstar) 3 cs, Philippine Islands; 67 cs, Karachi; 1 cs, India; 2 cs, Ceylon; 22 cs, Kingsley, Vancouver; (President Cleveland) 58 cs, Manila; 2 cs, Cavite; 5 cs, Tientsin; 1 cs, Rizal
TURPENTINE—2 cs, Este, Havana; 1 dm, Hoegh Silverstar, Philippine Islands
VANILLA BEANS—20 cs, Este, Hamburg
VARNISH — 1 dm, Condor, San Salvador; (President Cleveland) 11 cs, Manila; 1 dm, Bangkok
WAX, BEES—2 cs, President Cleveland, Yokohama
CARNAUBA — 3 sks, President Cleveland, Yokohama
YERBA SANTA—6 sks, Pacific Pioneer, London
ZINC DUST—(Condor) 20 cs, La Union; 35 cs, Mollendo; 91 dms, Hoegh Silverstar, Philippine Islands; 200 dms, President Cleveland, Manila
SULPHATE—4 sks, Kingsley, Vancouver

Savannah Exports
Clearance Dates

Glaucus, March 4; San Bernardino, March 8; Shickshinny, March 3

CLAY—2,749 bgs, Shickshinny, Manchester
COTTON LINTERS—361 bls, Shickshinny, Hamburg
GLUCOSE—60 bbls, Glaucus, Hongkong
ROSIN GUM—(San Bernardino) 30 dms, Buenaventura; 100 dms, Barranquilla; 60 dms, Cartagena; 20 dms, Callao; (Shickshinny) 285 bbls, Manchester; 100 bbls, Glasgow; 1,054 bbls, Hamburg; 200 bbls, Pilzen
WOOD—70 dms, Glaucus, Manila; 80 dms, San Bernardino, Buenaventura
TURPENTINE—120 dms, San Bernardino, Valparaiso
GUM—(San Bernardino) 50 cs, Talcahuano; 20 cs, Corral; 100 dms, Callao; 10 cs, Pimentel; 10 cs, Paita; 150 bbls, Shickshinny, Glasgow

Tampa Exports
Clearance Dates

Edgehill, March 5; Oxelosund, March 4; Vinni, March 2

PHOSPHATE—4,000 tons, Vinni, Osaka; 7,500 tons, Oxelosund, Landskrona; 3,995 tons, Edgehill, Hamburg

Coastwise Shipments

Corpus Christi Coast Trade

GASOLINE—75,008 bbls, S M Spalding, Baytown
OIL, GAS—75,233 bbls, Sunbeam, Carteret, N J
PETROLEUM, CRUDE—48,386 bbls, Thermo, Texas City; 30,369 bbls, Federal, Houston; 67,670 bbls, Beta, Texas City; 85,080 bbls, Yankee Arrow, New York; 66,244 bbls, Texas, Port Neches; 142,277 bbls, W S Farish, Baytown; 139,547 bbls, G Harrison Smith, Baytown; 79,246 bbls, W W Bruce, Baytown; 75,426 bbls, Astral, Baytown

Los Angeles Coast Trade

GASOLINE—66,367 bbls, Agwiworld, Seattle; 85,000 bbls, Elwood, Portland; 26,293 bbls, Warwock, Seattle; 24,935 bbls, Edwin B de Golio, San Francisco; 15,848 bbls, San Diegan, San Diego
KEROSENE DISTILLATE—5,447 bbls, Edwin B de Golio, San Francisco
OIL, DIESEL—4,721 bbls, Emidio, Portland; 17,525 bbls, Agwiworld, Seattle; 17,232 bbls, Warwock, Seattle; 803 bbls, San Diegan, San Diego
FUEL—61,355 bbls, Emidio, Portland; 65,935 bbls, La Brea, Seattle; 2,391 bbls, Coast Trader, Portland
FURNACE—2,285 bbls, Emidio, Portland
GAS—5,512 bbls, Edwin B de Golio, San Francisco

New Orleans Coast Trade

OIL, OLIVE—110 cs, Pawnee, Tampa

San Francisco Coast Trade

ACID, BORIC—12 tons, California, New York
ALUMINA SULPHATE—667 sks, Charles L Wheeler, Jr, Portland, Ore
BABASSU KERNELS—959 sks, Point San Pedro, Los Angeles
BONE MEAL—400 sks, West Planter, Portland, Ore
CEMENT, LIQUID—15 tons, Celilo, Los Angeles
CHLORINE BLEACH, LIQUID—700 cs, Wallingford, Seattle
COTTONSEED MEAL—3,000 sks, Astoria, Seattle
2,000 sks, Wallingford, Seattle
FERTILIZER—25 tons, Celilo, Los Angeles
GLUE—18 tons, California, New York
HONEY—378 cs, Point San Pablo, Seattle
185 cs, Wallingford, Tacoma
LEAD, WHITE—18 tons, Maine, Albany
LITHARGE—18 tons, Maine, Albany
MILK POWDER—16 tons, Maine, Baltimore
25 tons, Maine, Albany
20 tons, California, New York
NAPHTHA—13 tons, Hegira, Brooklyn
OIL—23 tons, Hegira, Newark
635 pkgs, Wallingford, Seattle
EUCALYPTUS—1 dm, Point San Pedro, Seattle

LUBRICATING—68 dms, Point San Pablo, Seattle
40 tons, Celilo, Los Angeles
OLEOMARGARIN — 2,804 cs, Charles L Wheeler, Jr, Portland, Ore
PRUNE JUICE—28 tons, Maine, Albany
QUICKSILVER—19 tons, California, New York
SALT—1,889 sks, Charles L Wheeler, Jr, Portland, Ore
751 pkgs, Point San Pablo, Seattle
947 pkgs, Point San Pablo, Tacoma
1,106 pkgs, Coast Merchant, Portland, Ore
1,125 pkgs, Wallingford, Seattle
SOAP—600 pkgs, Point San Pablo, Seattle
600 pkgs, West Planter, Portland, Ore
SODA SILICATE—220 sks, Wallingford, Tacoma
SPRAY—785 cs, West Planter, Portland, Ore
TREE—500 cs, West Planter, Portland, Ore
SULPHUR DIOXIDE—158 cyls, Charles L Wheeler, Jr, Portland, Ore
SUNFLOWER SEED—27 tons, California, New York
TAR, COAL—10 tons, Celilo, Los Angeles

Cargo Ship Arrivals

March 12 to March 25

New York

Alberta	Trieste*	Mar 22
Amazone	Maracaibo*	Mar 21
American Banker	London*	Mar 15
American Importer	Manchester*	Mar 14
American Legion	Buenos Aires*	Mar 23
American Shipper	Manchester*	Mar 21
American Trader	London	Mar 21
Amor	Maracaibo*	Mar 14
Andania	Havre*	Mar 21
Anita	Gothenburg*	Mar 22
Anna Maersk	Manila*	Mar 14
Antigua	Puerto Colombia*	Mar 23
Arizonan	Portland*	Mar 22
Asakasan	Kobe*	Mar 18
Ayuruoca	Paranagua*	Mar 14
Balfe	Santos*	Mar 22
Barbarigo	Trieste*	Mar 15
Batory	Gdynia*	Mar 14
Black Condor	Antwerp*	Mar 16
Black Gull	Rotterdam*	Mar 19
Borinquen	Trujillo*	Mar 14
Buenaventura	Port au Prince*	Mar 21
Cacique	Maracaibo*	Mar 20
California	San Francisco*	Mar 14
Cameronia	Glasgow*	Mar 15
Carolina Thorden	Copenhagen	Mar 19
Challenger	Capetown*	Mar 21
Chiriqui	Cristobal*	Mar 20
Cissy	Maracaibo*	Mar 24
City of Auckland	Calcutta*	Mar 17
City of Christiania	Calcutta*	Mar 18
City of Worcester	Calcutta*	Mar 24
Cliffwood	Geffe*	Mar 18
Crispin	Macelo*	Mar 22
Cristobal	Cristobal*	Mar 14
Deutschland	Hamburg*	Mar 18
Drottninghoim	Gothenburg*	Mar 15
Edam	Rotterdam	Mar 24
Erlangen	Adelaide*	Mar 16
Europa	Bremen*	Mar 17
Exermont	Oran*	Mar 25
Exhibitor	Thessalonica*	Mar 24
Exochorda	Jaffa*	Mar 18
Fort Amherst	St John's*	Mar 23
Fort Townshend	Trinidad*	Mar 16
Gerolstein	Antwerp*	Mar 23
Giulia	Genoa*	Mar 25
Haiti	Puerto Colombia*	Mar 14
Harry Luckenbach	Seattle*	Mar 17
Hegira	Portland*	Mar 20
Hollywood	Los Angeles*	Mar 23
Horace Luckenbach	Seattle*	Mar 15
Ile de France	Havre*	Mar 15
Independence Hall	Dunkirk*	Mar 15
Jamaica	Puerto Colombia*	Mar 21
Kahuko	Honolulu	Mar 25
Kansan	Portland*	Mar 14
Kongo	Manila*	Mar 19
Koryu	Manila*	Mar 19
Kunikawa	Kobe*	Mar 16
Lossiebank	Shanghai*	Mar 23
Louisianan	Valparaiso*	Mar 20
Luna	Trinidad*	Mar 19
Maine	Seattle*	Mar 16
Manaqui	Trinidad*	Mar 16
Manhattan	Hamburg*	Mar 17
Missourian	Tacoma*	Mar 24
Munargo	Havana*	Mar 17
Myoko	Yokohama*	Mar 14
Nevadan	Seattle*	Mar 21
New Colombia	Freetown*	Mar 21
New Toronto	Freetown*	Mar 16
Norderney	Rosario*	Mar 14
Nordhavet	Marseilles*	Mar 14
Ogontz	Istanbul*	Mar 23
Orizaba	Vera Cruz*	Mar 20
Panuco	Tampico*	Mar 16
Ponce	Sanchez*	Mar 17
President Garfield	Honolulu*	Mar 22
Quirigua	Puerto Colombia*	Mar 16
Rex	Naples*	Mar 23
Robert Luckenbach	Seattle*	Mar 24
Robert Maersk	Antwerp*	Mar 18
Robin Hood	Mombasa*	Mar 22
Santa Barbara	San Antonio*	Mar 21
San Jacinto	La Romana*	Mar 22
San Vincente	Portland*	Mar 21
Santa Clara	San Antonio*	Mar 17
Santa Elena	San Juan*	Mar 22
Santa Paula	Puerto Colombia*	Mar 15
Sanyo	Hongkong*	Mar 17
Scanyork	Copenhagen*	Mar 17
Scythia	Liverpool*	Mar 21
Seatrain Havana	New Orleans*	Mar 22
Seatrain New York	New Orleans*	Mar 15
Silverlarch	Batavia*	Mar 25
Steel Navigator	Singapore*	Mar 20
Steel Trader	Calcutta*	Mar 22
Texas Ranger	Houston*	Mar 15
Texas Trader	Houston*	Mar 22
Texmar	Seattle*	Mar 20
The Angeles	Buenos Aires*	Mar 24
Uruguayo	Buenos Aires*	Mar 19
Volendam	Rotterdam*	Mar 15
Vulcania	Patras*	Mar 17
Wave	Yokohama*	Mar 15
Westernland	Antwerp*	Mar 15
Western Prince	Buenos Aires*	Mar 16
West Lashaway	Grand Bassam*	Mar 24

* And other ports

Recent Charters

FLAXSEED—7,000 tons, S S Akti, 10 percent. Karachi, Marmagoa range to principal ports United Kingdom, Continent, 28s 3d; April 15-25
MANGANESE ORE—7,000 tons, S S ——, Poti to Gothenburg, 12s; March
ORE—7,000 tons, S S Generton, Whyalla, to Japan, 15s 6d; April
PETROLEUM—4,692 tons, S S Lumen, clean, Gulf to French Atlantic, 21s; April
3,686 tons, S S Bello, dirty, Aruba to United Kingdom, Continent, 18s; April
4,339 tons, S S Vinga, dirty, Aruba to United Kingdom, Continent, 18s; April
5,500 tons, S S Nordanger, dirty, Sumatra to Wellington, Australia; April
5,906 tons, S S Harold Brovig, dirty, six trips, Gulf to Havre; June
2,610 tons, S S Strombo, Gulf to Trieste, 25s 9d; April
—— tons, S S (Athel——), dirty, California to Japan, 22s; June
4,402 tons, S S Myriam, Constanza to Hamburg, 15s; April
3,467 tons, S S Actor, dirty, Gulf to Japan, 32s, followed by California to Japan, 24s; April
9,500 tons, S S Tascalusa, dirty, Iraq to French Atlantic, 16s; March-April
3,559 tons, S S Aina, dirty, Capo Blanco to Bahia Blanca, 24s; March
13,500 tons, S S ——, dirty, two trips, Gulf to Port de Bouc, 21s 9d; option Aruba, 18s 9d; Talara, 27s 6d; May
7,363 tons, S S Feder Bogen, dirty, Aruba to United Kingdom, Continent, 18s; April
2,714 tons, S S Credo, dirty, Gulf to Baltic, 24s; April
—— tons, S S (Athel——), dirty, California to Japan, 22s; June-July
5,537 tons, S S Gulfcrest, dirty, Aruba to United Kingdom, Continent, 18s; March

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended March 16

Almonds, bitter, 50 bales; restricted use.
Aloe, 101 cases; not U.S.P.
Caraway seed, 67 bags; filthy.
Cashew nuts, raw, 127 bags; restricted use.
Cassia oil, 20 drums; not U.S.P.
Chlorophyl, 1 package; restricted use.
Cocoa beans, 161 bags; moldy.
Codliver oil, 25 drums; restricted use.
Coriander seed, 80 bags; filthy.
Digitalis leaves, 1 case; not U.S.P.
Gelatine, technical, 35 bales; restricted use.
Kamala, powdered, 14 bags; not N.F.
Medicinal preparations, 14 packages; falsely labeled as to composition.
Medicinal preparations, 3 cases; false therapeutic claims.
Medicinal preparations, 1 case; false and misleading statements.
Medicinal preparations, 2 cases; below professed standard.
Medicinal preparations, 44 cases; contains undeclared alcohol.
Nutmegs, technical, 54 bags; restricted use.

Boston

Week Ended March 16

Cumin seed, 16 bags; filthy.
Medicinal preparations, 2 cases; false therapeutic claims.

Buffalo

Week Ended March 16

Medicinal preparations, 3 cases; false therapeutic claims.

Los Angeles

Week Ended March 10

Medicinal preparations, 28 pieces; false therapeutic claims.

Philadelphia

Week Ended March 16

Medicinal preparation, 2 packages; false therapeutic claims.

San Francisco

Week Ended March 10

Medicinal preparations, 50 pieces; false therapeutic claims.

Oils and Fats Consumed In 1937 Set Record

Consumption of oils and fats in the United States reached record proportions during 1937, according to preliminary estimates issued by the Bureau of Agricultural Economics. The apparent disappearance of all fats and oils indicates a consumption for the year of more than 9,300,000,000 pounds. This figure is about 136,000,000 pounds larger than the estimate for 1936, and is slightly more than 500,000,000 pounds larger than in 1929, which was the peak year prior to 1937.

Detailed figures of the indicated consumption for 1937 and 1936 are as follows:—

	Pounds 1937.	1936.
Cottonseed oil	1,752,000,000	1,340,000,000
Coconut oil	493,000,000	640,000,000
Palm oil	347,000,000	315,000,000
Soybean oil	183,000,000	225,000,000
Corn oil	166,000,000	151,000,000
Peanut oil	111,000,000	120,000,000
Rape oil	15,000,000	67,000,000
Olive oil, edible	52,000,000	64,000,000
Castor oil	62,000,000	60,000,000
Sesame oil	50,000,000	54,000,000
Palm-kernel oil	153,000,000	50,000,000
Babassu oil	32,000,000	36,000,000
Olive foots	21,000,000	28,000,000
Sunflower oil	1,000,000	26,000,000
Olive oil, inedible	6,000,000	12,000,000
Teaseed oil[2]	27,000,000	6,000,000
Other[3]	11,000,000	6,000,000
Linseed oil	590,000,000	485,000,000
Tung oil	155,000,000	125,000,000
Perilla oil	40,000,000	112,000,000
Hempseed oil	20,000,000	20,000,000
Butter	2,158,000,000	2,135,000,000
Lard	1,330,000,000	1,431,000,000
Tallow, inedible[4]	676,000,000	726,000,000
Marine animal oil[5]	375,000,000	366,000,000
Grease	283,000,000	299,000,000
Edible fat[6]	202,000,000	253,000,000
Inedible fat[7]	16,000,000	20,000,000
Totals	9,309,000,000	9,173,000,000

[1] Preliminary estimate.
[2] Imports.
[3] Includes vegetable tallow, kapok, mustard, and oiticica oils. Does not include unnamed miscellaneous items.
[4] Factory consumption.
[5] Marine mammal, fish, and fish-liver oils.
[6] Includes edible tallow, oleo oil, and oleostearine.
[7] Includes wool grease and neatsfoot oil.
Computations are based on production from domestic and imported materials, net trade in fats and oils, and stocks.
Figures are rounded to millions without adjustment to totals.

Oils, Fats and Waxes

Markets at Other Centers

—Continued from page 43

ties, and with tone of the market a little easy. Prices lately have been seeking a fractionally lower level in the case of most of the items, with offerings rather plentiful.

LARD.—No. 1, 8¼c. to 8¾c. per pound.
OLEO.—No. 2, 8¼c. to 8¾c. per pound.
TALLOW.—Acidless, 8c. to 8½c. per pound, tanks; 9c. to 9½c. drums.

Fish Oils

Cod.—The market here was quiet, consumers being inclined to hold off for developments in other commodities. The tone appeared to be easy. There were reports of offerings of Norwegian oil for shipment at 30c. to 32c. per gallon.

Menhaden.—Selling schedules were held at previous levels by refiners and the tone of the market appeared to be steady. There was a fair movement into consuming channels on contracts previously placed but new business continued to be reported as quiet.

Sardine.—Refined oil selling schedules were unchanged but the tone of the market appeared to be firmer owing to the strength of crude. There was a fair movement of small lots.

Whale.—The market for refined oil was quiet and steady. Under date of March 5, London advices reported sales of Japanese crude oil at around £12 10s. per ton, c.i.f., adding:—"In all some 40,000 tons have been sold during the past few weeks and a further 30,000 tons may be offered should the expedition return a normal catch. Norwegian companies, however, prefer to refrain from offering and extensive tank storage has been arranged at most of the available European centres to house the quantities now arriving. It is interesting to note that a cargo of some 5,000 tons arrived in the Thames from the Antarctic during the week in the Suderholme."

Markets at Other Centers

San Francisco, Mar. 15.—There is but little of interest in the fish oil situation on the Pacific coast, what with the trading season long sinced closed and the first of the 1938 reduction operations too far ahead to give any excuse to engage in business. California oil, by virtue of a more or less artificial price, continues to be quoted, crude basis, at a figure of 46½c. per gallon in tankcars, Los Angeles, where last week it was reported another two tankcars moved through resellers at that figure, added to several tanks previously sold in that price neighborhood. On a competitive oils and fats basis such a level is conceded to be too high, the explanation at present being that short interests are finding it necessary to cover contracts. The oil is understood to be finding its way, finally processed, into paint channels.

Meantime, the tail end of the Southern California season is at hand, and production will have to cease legally after the end of this month. However, catches of fish have been extremely light, reports state, what with bad weather and a light run of fish. A full moon is now interrupting operations. There is but little likelihood of any further fishing operations of an important nature this season, therefore.

Baltimore, Mar. 16.—One of the periodical bursts of activity in the market for menhaden oil to which it is subject, and which occur at rather prolonged intervals, developed during the last week, when some thirty-five tanks of oil were sold on a when-and-if-made basis at 35c. per gallon. This compared with the transaction in a couple of tanks of Florida oil some time ago at 45c. a gallon, with the disposal prior to this deal of a small quantity at 47½c. a gallon, aside from some trading in herring oil, which has a high acid content, and is generally not sold by itself, but mixed with other oils and does not determine the market. With tallow fairly low, the price realized on fish oil reflects somewhat the pressure upon the market. Refined oil is holding at 53c. to 55c. per gallon for light pressed, 55c. to 57c. per gallon for yellow bleached and 57c. to 59c. per gallon for light bleached supplies.

Fats and Greases

Grease.—The market was easier, the tone being influenced by a further decline in tallow. Quotations on grease were reduced ¼c., the figures being more or less nominal. There was a fair inquiry.

Lard.—Cash lard was irregular in company with developments in futures at Chicago where fluctuations in prices were frequent. Domestic trade was slow. The export movement was fair. Stocks of lard in Chicago March 14 were 59,433,482 pounds against 112,369,558 pounds last year.

Stearin.—The market was easier, quotations being reduced ½c. per pound. Trade was quiet.

Tallow.—The market remained in an easy position in the absence of any material improvement in demand, large consumers still being inclined to hold aloof. There was a fair inquiry for small or moderate quantities. Offerings were somewhat freer and sales were reported at 5½c. per pound for extra, showing a further decline of ¼c. According to official statistics, consumption of inedible tallow in 1937 was 676,000,000 pounds against 726,000,000 in 1936.

Trading in tallow futures on the New York Produce Exchange from March 12 to March 18, inclusive, comprised 4 contracts, a total of 240,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
June	5.75	5.75	5.60@5.85
July	5.80	5.80	5.73@5.90

Markets at Other Centers

Chicago, Mar. 18.—The cash lard trade has been rather slow lately, with buyers inclined to wait for new developments in this and allied markets before taking a definite position. Most of the buying is in limited amounts. Shipping trade has been fair.

The range of lard quotations from the opening Saturday, March 12, to the close Friday, March 18, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$8.75	$8.97	$8.62	$8.90	$8.67
May	8.80	8.95	8.65	8.82	8.80
July	9.10	9.15	8.87	9.05	9.00

TALLOWS (tierces).—Edible, 6¼c. to 6½c. per pound; prime, 5⅞c. to 6c.; fancy, 6c. to 6⅛c.; special, 5⅞c. to 5½c.; No. 1, 5c. to 5⅛c.

GREASES (tierces).—Choice white, 6c. to 6¼c. per pound; A white, 5⅜c. to 5½c.; B white, 5c. to 5¼c.; yellow, 10-16, 4⅞c. to 5c.; yellow, 16-20, 4½c. to 4¾c.; brown, 4¼c. to 4½c.

STEARINS (barrels).—Prime oleo, 6⅞c. to 7c. per pound; lard, packages, 9¼c. to 9½c.; A white grease, 5⅞c. to 6c.; yellow grease, 5⅜c. to 5½c.; extra oleo stocks, 8½c. to 9c.; No. 2 stocks, 8c. to 8½c.

Liverpool, Mar. 18.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s. d.	May. s. d.	July. s. d.	Oct. s. d.
Saturday	50 6	46 3	46 6	.. ..
Monday	51 0	46 6	46 6	47 9
Tuesday	51 0	46 3	46 6	47 9
Wednesday	51 0	46 3	46 9	47 3
Thursday	51 6	46 9	47 3	48 3
Friday	51 0	46 3	47 0	47 9

Liverpool, Mar. 18.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
Saturday	20 6	19 9
Monday	20 6	19 9
Tuesday	20 6	19 9
Wednesday	20 6	19 9
Thursday	20 6	19 9
Friday	20 6	19 9

Fatty Acids

Capric Acid.—Technical distilled quotations ranged from 12c. per pound upward, according to quantity, and the market appeared to be steady on that basis. Quieter conditions prevailed so far as new business was concerned, but there was a fair movement into consuming channels in the manufacture of chemical bases and compounds on contracts previously placed.

Castor Oil.—Consumers of this fatty acid were not inclined to depart from a conservative course in purchasing operations, but in some quarters a fair call was noted from makers of synthetic resins, cosmetics and other toilet preparations. The market retained a steady tone.

Coconut Oil.—Quotations on this fatty acid were shaded ¼c. by some sellers, the easier situation being attributed to lessened cost of basic material. Also trade was quieter, consumers being inclined in some instances to hold off for fresh developments in other commodities.

Myristic Acid.—The situation was featured by a firm tone, quotations being revised upward. Consumption in the manufacture of soaps and cosmetics is said to have increased recently, although new business last week was rather quiet. Spot supplies appeared to be small.

Perilla.—Lessened cost of basic material was reflected in a downward revision of quotations, the range extending from 15.22c. per pound upward, according to quantity. There was a fair movement to local and other makers of synthetic resins, but new business was rather quiet.

Red Oil.—Quotations were maintained at previous levels by producers, and the tone of the market seemed to be steady. Business continued along rather narrow lines. In some quarters a fair inquiry was noted from makers of soaps and compounds used in the textile in-

dustry, but consumers showed little disposition to purchase in advance of current needs.

Stearic Acid.—Tallow again showed weakness, but recent developments in the raw material found no reflection in the market for stearic acid so far as prices were concerned, selling schedules remaining where they stood at the close of the previous week. Consumers were not inclined to provide for future needs, and such transactions as were reported were limited to unimportant quantities.

Markets at Other Centers

Chicago, Mar. 18.—While fatty acids are not particularly weak, there is little snap or special activity noted at present. Buying has been continuing along rather routine lines.

FATTY ACIDS.—Corn oil, double distilled, 7¾c. to 8c. per pound, tankcar; 8¼c. to 8½c., barrels, car lots; 8¾c. to 9c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. per pound, tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7½c. to 7¾c. per pound, tankcar; 8c. to 8¼c., barrels, car lots; 8½c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅞c. to 3⅛c.; boiled down soap stock, 65 percent basis, 3⅞c. to 4⅛c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

RED OILS.—Distilled, or saponified, drums, 9½c. to 10½c. per pound; barrels, 9⅝c. to 10⅝c.

STEARIC ACID.—Distilled, single press, 10½c. to 11½c. per pound; double press, 11c. to 12c.; triple press, 13¾c. to 14¾c.; saponified, ¼c. higher.

Waxes

Bees.—Inactivity was the rule in the market on this item. Buyers' actual needs were readily supplied and the total volume of transactions was distinctly conservative. Sellers as a whole endeavored to maintain fairly stable prices but in view of prevailing competition it seemed probable that oftentimes open quotations were subject to shading.

Candelilla.—A change in the agent representing the Mexican producers has brought an arbitrary advance in prices. Ton lots were named at 14½c. to 15c. per pound, and jobbing quantities were 15c. to 15½c. Notice of the advance turned numerous dealers to buying spot lots rather than import parcels at the higher rate. The result was considerable activity which was not, however, activity on the part of manufacturing consumers.

Carnauba.—Competition was intense and quotations were all the subject of substantial selling pressure. Actual buying by consumers was not very large. In fact, some of the best informed importers declared that cut prices were not bringing in new business of substantial size. The entire situation was highly unsettled and conditions appeared definitely to favor buyers. Prices prevailed as follows:—No. 3 chalky, and No. 3 North Country, ton lots, 32½c. to 33c.; 5-bag lots, 33c. to 33½c.; 1-bag lots, 33½c. to 34c.; No. 2 North Country, 35½c.; to 36c.; refined, 35c. to 35½c.; No. 1 yellow, ton lots, 38c. to 38½c.; 5-bag lots, 38½c. to 39c.; 1-bag lots, 39c. to 39½c.; No. 2 yellow, 37c. to 37½c.

Japan.—The market was very dull. Prices lacked open change but according to reports they were liable to competition that suggested possible shading of values as quoted.

Tung Oil Operations To Be Surveyed

OPD Washington Bureau
March 17, 1938

A survey of current tung oil operations in the Gulf States will be made during the current week by C. C. Concannon, chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce of the Department of Commerce, and Dr. Henry C. Knight, chief of the Bureau of Chemistry and Soils of the Department of Agriculture.

The two officials will visit the larger tung tree plantations in the Gulf States from Florida to Texas and will inspect tung nut crushing plants in Gainesville and Brooker, Fla.; Cairo, Ga.; Picayune, Miss., and Bogaloosa, La.

E. A. Pierce & Co., broker in cottonseed oil, this city, has published a chart showing the course of the average monthly spot price of cottonseed oil on the New York Produce Exchange, and also the production and disappearance of refined oil over a period of 10 years.

Dividends Declared Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
Abbott Laboratories	Com.	Q.	40c.	Mar. 31	Mar. 11
Abbott Laboratories	Com.	Ext.	10c.	Mar. 31	Mar. 11
Abbott Laboratories	Pfd.	Q.	$1.12½	April 15	April 1
Adams Oil & Gas Co	Com.	Q.	5c.	April 1	Mar. 19
Air Reduction Co	Com.	Q.	25c.	April 15	Mar. 31
Allied Laboratories, Inc	Com.	Q.	15c.	April 1	Mar. 15
Aluminum Company	Pfd.	Q.	$1.50	April 1	Mar. 17
American Agricultural Chem. Co	.....	..	$1.25	Mar. 31	Mar. 14
American Can Co	Pfd.	Q.	$1.75	April 1	Mar. 18
American Chicle Co	Com.	Q.	$1.00	Mar. 15	Mar. 1
American Cyanamid Co	Cl. A	Q.	15c.	April 1	Mar. 15
American Cyanamid Co	Cl. B	Q.	15c.	April 1	Mar. 15
American Cyanamid Co	Pfd.	Q.	12½c.	April 1	Mar. 15
American Home Products Co	.....	Mo.	20c.	April 1	Mar. 14
Anaconda Copper Mining Co	Com.	..	25c.	Mar. 28	Mar. 7
Armstrong Cork Co	Com.	..	25c.	Mar. 1	Feb. 9
Ashland Oil & Refining Co	Pfd.	Q.	$1.25	Mar. 15	Mar. 14
Ashland Oil & Refining Co	Com.	Q.	10c.	Mar. 31	Mar. 16
Badger Paint & Hardware Stores	Com.	Q.	50c.	April 1	Mar. 25
Borne-Scrymser Co	Com.	..	50c.	April 15	Mar. 21
Brookline Oil Co	Com.	Mo.	2c.	Mar. 15	Mar. 10
Canfield Oil Co	Pfd.	Q.	$1.75	Mar. 31	Mar. 19
Celanese Corp	Pfd.	Q.	$1.75	April 1	Mar. 18
Chesebrough Mfg. Co	Com.	Q.	$1.00	Mar. 28	Mar. 4
Chesebrough Mfg. Co	Com.	Ext.	50c.	Mar. 28	Mar. 4
Climax Molybdenum Corp	Com.	..	30c.	Mar. 31	Mar. 18
Colgate-Palmolive-Peet Co	Pfd.	Q.	$1.50	April 1	Mar. 5
Consolidated Coppermines Corp	.....	..	12½c.	April 8	Mar. 28
Devoe & Raynolds	Cl. A	Q.	75c.	April 1	Mar. 19
Devoe & Raynolds	Cl. B	Q.	75c.	April 1	Mar. 19
Devoe & Raynolds	Pfd.	Q.	$1.75	April 1	Mar. 19
Eastman Kodak Co	Pfd.	Q.	$1.50	April 1	Mar. 5
Hercules Powder Co	Com.	..	40c.	Mar. 25	Mar. 14
Katz Drug Co	Pfd.	Q.	$1.12½	April 1	Mar. 15
Kirby Petroleum Co	Com.	..	10c.	April 15	Mar. 31
Mathieson Alkali Works	Com.	Q.	37½c.	Mar. 31	Mar. 5
Mathieson Alkali Works	Pfd.	Q.	$1.75	Mar. 31	Mar. 5
Mead Johnson & Co	Com.	Q.	75c.	April 1	Mar. 15
Mead Johnson & Co	Com.	Ext.	75c.	April 1	Mar. 15
Metal & Thermit Corp	Pfd.	Q.	$1.75	Mar. 31	Mar. 21
Peoples Drug Stores, Inc	Com.	Q.	$1.00	April 1	Mar. 8
Quaker Oats Co	Com.	Q.	$1.25	Mar. 25	Mar. 1
St. Joe Lead Co	Com.	..	25c.	Mar. 21	Mar. 10
Standard Oil of Ky	Com.	Q.	25c.	Mar. 15	Feb. 28
Texas Corp	Com.	Q.	50c.	April 1	Mar. 4

Corporation Earnings Recently Reported

	Period.	1937 Net income.	1937 Per share.	1936 Net income.	1936 Per share.
Abbott Laboratories	Year	$1,612,360	$2.51	$1,415,276	$2.21
American Cyanamid Co	Year	5,268,255	2.09	4,454,931	1.77
American Metal Co., Ltd	Year	4,354,744	3.23	1,745,328	1.10
American Smelting & Rfg. Co	Year	18,455,426	6.62	17,351,036	6.97
American Snuff Co	Year	1,572,682	3.13	1,655,086	3.32
Armstrong Cork Co	Year	5,157,887	3.99	5,277,534	4.36
Barnsdall Oil Co	Year	1,903,029	.85	2,262,545	1.01
Cliffs Corp	Year	763,749	.95	388,273	.48
Duval Texas Sulphur Co	Year	215,792	.43	306,247	.61
Dr. Pepper Co	Year	925,667	1.32	656,274	.94
Eagle-Picher Lead Co	Year	388,781	.40	696,384	.74
Eldorado Oil Works	Year	276,535	1.95	88,997	.63
Ferro Enamel Corp	Year	559,677	2.91	427,260	3.08
General Printing Ink Corp	Year	1,180,768	1.32	1,777,803	1.32
Celluloid Corp	Year	160,464	.92	182,854	$0
Climax Molybdenum Co	Year	7,239,264	2.87	5,206,111	2.07
Consolidated Chemical Industries	Year	806,348	2.51	643,833	2.01
Container Corp	Year	1,923,904	2.46	1,311,442	2.01
Corn Products Refining Co	Year	8,100,521	2.52	11,490,647	3.86
Dominion Tar & Chemical Co., Ltd	Year	628,097	.89	384,167	.14
Homestake Mining Co	Year	7,188,854	3.58	7,650,452	3.81
International Salt Co	Year	506,936	2.17	397,129	1.70
International Silver Co	Year	725,652	3.39	446,625	.33
Jones & Laughlin Steel Co	Year	4,788,799	1.18	4,129,600	.03
Lion Oil Refining Co	Year	945,334	2.17	594,735	1.43
McKeesport Tin Plate Corp	Year	915,777	1.26	1,770,314	2.43
Molybdenum Corp	Year	575,427	1.00	45,258	.08
National Gypsum Co	Year	687,428	.33	1,018,655	.61
Oliver United Filters, Inc	Year	454,738	1.70	113,472	.01
Parke, Davis & Co	Year	9,093,304	1.86	9,244,124	1.89
Pure Oil Co	Year	11,403,805	2.15	7,658,372	1.63
Pyrene Manufacturing Co	Year	232,986	1.20	218,667	1.13
Quaker Oats Co	Year	4,167,047	4.40	5,733,956	6.64
Savage Arms Corp	Year	483,616	2.88	249,752	1.47
Standard Oil of Kentucky	Year	4,182,900	1.61	3,793,451	1.46
Standard Products Co	6 mos.	12,133	.04	326,896	1.09
Sharp & Dohme, Inc	Year	999,168	.25	1,123,959	.41
Standard Oil Co. of Kansas	Year	781,783	5.80	257,081	1.91
South Penn Oil Co	Year	4,643,266	4.64	3,589,807	3.59
Sterling Products, Inc	Year	9,140,633	5.36	8,749,960	5.10
Texas Gulf Producing Co	Year	621,185	.70	823,411	.93
Texas Gulf Sulphur Co	Year	528,702	1.82	423,784	1.50
United Carbon Co	Year	2,350,486	5.91	2,202,850	5.54
United Drug, Inc	Year	1,312,314	.94	2,065,475	1.52
Universal Products Co	Year	461,218	4.61	434,152	4.34
Vick Chemical Co	6 mos.	1,868,901	2.73	1,934,794	2.76
Victor Chemical Works	Year	703,087	1.01	810,379	1.16
Westvaco Chlorine Products	Year	805,244	1.74	648,010	1.47

Fertilizer Materials

—Continued from page 56

Markets at Other Centers

At this time, late and fill-in orders should be at their height, but if they are to materialize, they will certainly be late.

With the vote of cotton and tobacco farmers over it was thought that there would be a stimulation of the fertilizer market, but fertilizer manufacturers are as yet noting no effects.

Apparently cotton farmers are in confusion about their crop allotments and want to get clear about this before turning their minds to fertilizer purchases.

Manufacturers who have been consigning goods to dealers are reported waiting cash payments as encouragement to make further shipments. The dealer is slow because the farmer is slow, so that it now looks like a hectic late season struggle to meet the rather uncertain demand.

Material prices show little change. Nitrate of soda is actively moving. Sulphate of ammonia producers are reported pressed to make deliveries. Demands for cottonseed meal are confronting scarcity in some portions of the southeast. Some potash is being offered at resale prices at discounts.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$9.60 per ton, interior producing points.

NITRATE OF SODA.—$27 per ton, bulk, port basis.

SULPHATE OF AMMONIA.—$29.50 per ton, port basis.

COTTONSEED MEAL.—Seven percent grade $23.50 per ton.

BLOOD.—$3 per unit, Chicago.

TANKAGE.—$2.60 and 10 per unit, basis Chicago.

NITROGENOUS.—$2.35 per unit, mideastern producing points.

Baltimore, Mar. 17.—Some signs of a pick-up in demand for fertilizer mixtures were reported. Prices for crude materials remained generally firm, and the figures mentioned were as follows:—

FISH SCRAP.—Large producers of menhaden scrap are asking $45 per ton, f.o.b. Jacksonville, with buying reduced to very small proportions. Menhaden meal quotations are around $48 per ton f.o.b. Florida shipping points on a when-and-if-made basis, from April forward. Orders for some 1,500 tons of the ammoniate were booked down the Chesapeake Bay at $3 and 10 per unit-ton. Domestic fish meal is held at $52 per ton in carload lots, f.o.b. Baltimore.

TANKAGE.—$3 and 10c. per unit-ton, c.a.f. basis Baltimore, for ground fertilizer stocks, and $2.90 and 10c. per unit-ton for unground feeding material and unground fertilizer supplies, $2.50 to $2.75 and 10c., depending on grades.

BLOOD.—$3 per unit-ton, f.o.b. shipping point.

SUPERPHOSPHATE.—There has been an accumulation of stocks, with all of the factories well supplied, but the manufacturers maintain prices at $8.50 per ton for run of pile and $9 per ton for 16 percent milled and screened stocks.

NITROGENOUS MATERIAL.—Foreign was approximately $2.40 per unit, while Eastern domestic supplies were $2.65 to $2.70 per unit.

GARBAGE TANKAGE.—$8 per ton, f.o.b. shipping point, or $11.50 per ton here.

BONE.—$22 per ton for 1 and 60; $24 per ton for 3 and 50 ground steamed, and $26 per ton asked for 4½ and 50 ground raw stocks, c.i.f. for Spring shipment from abroad.

Chicago, Mar. 17.—The fertilizer materials market held quiet, and was for the most part dull. Buyers continue to take out moderate amounts of material. The price structure is showing no serious indication of going in any particular directions. Supplies of most grades of organics seem fairly well balanced against the volume of orders. Blood was in ample supply, and quiet. Tankage inquiries are in fair proportion. Bone materials look to be in fairly good market position, but there is no feature in this section of the market, with most buying in small lots.

BLOOD.—Principal grade, $3 to $3.10 per unit of ammonia.

TANKAGE.—High grade, ground, $2.75 to $2.80 and 10c.; low grade, $15 to $16; hoof meal, $3 to $3.10; liquid stick, $2 to $2.25.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $17 to $18; 3 and 50 percent, $18 to $20; 4½ and 50 percent, $26 to $29; grinding hoofs, pigs' toes and waste horn materials, $35 to $40, mostly nominal; cattle jaws, skulls and knuckles, $17 to $19; pork cracklings, soft pressed, $40 to $45; beef cracklings, soft pressed, $35 to $40; hard pressed cracklings, per unit of protein, 57½c. to 62½c.

San Francisco, Mar. 15.—Fertilizers last week felt the full paralytic effect of the recent floods in California when the market, halted during the previous period, remained at a standstill. There is no incentive for trading and most prices are nominal. Goods on contract are for good reason not moving and there will be no impetus to trade until the flooded areas have had a chance to dry up a bit. Spring spreading meantime is being delayed. Some continuation of the recent rains was noticeable last week, although the precipitation was not as serious as the drenching of a fortnight ago. Meantime, feelers put into sources of supply of blood, tankage and fish meal reveals a rather steady tendency on the part of sellers, but so little in the way of firm bids from possible buyers can be found that it is difficult to gauge the market status.

Ruling quotations were:—

NITRATE OF SODA.—100-pound bags, $29 per ton; 200-pound bags, $28.30 per ton; bulk lots, $27 per ton, all ex vessel San Francisco/Oakland.

SULPHATE OF AMMONIA.—Sellers of Canadian and Pacific Coast production of sulphate of ammonia have been out of the market.

SUPERPHOSPHATE.—Domestic, 75c. to 80c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay; bags, 80c. to 85c. per unit; foreign material, nominal.

AMMONIA PHOSPHATE.—Quoted at $42 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P. A. Inland points, delivered, $1 per ton extra.

FISH MEAL.—California sardine meal is steady, but mostly nominal, in the absence of trading. Quoted on the basis of $50 per ton, f.o.b. cars, San Francisco/Monterey, and $45 per ton, Los Angeles.

TANKAGE.—Domestic ground, high grade, quoted nominally on the basis of $3.20 and 10c. per unit-ton, f.o.b. cars, Los Angeles. Lower grades, unground, quoted nominally at $2.75 and 10c. Dry rendered, ground, quoted at 68c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 55c.

BLOOD MEAL.—Domestic, $3.05 per unit, nominally, f.o.b. cars, Los Angeles.

BONE MEAL.—Domestic and imported steamed bone meal, quoted in range, according to seller and quality, at $24 to $27 per ton, delivered Pacific Coast ports.

Fred R. Firstenberg, president of the First Machinery Corporation, this city, poses with a 235-pound blue marlin, which was one of his trophies on a recent Florida fishing trip.

Asphalt Institute Elects

Joseph S. Helm, of the Standard Oil Company of New Jersey, was elected president of the Asphalt Institute for the fiscal year beginning April 1. Other officers elected were:—Vice-presidents, T. M. Martin, of the Lion Oil Refining Company, and A. M. Maxwell, of the Standard Oil of Ohio; treasurer, Herbert Spencer; and secretary, F. V. Widger, of the Texas Company. James A. Blood, of the Standard Oil Company of California, was made chairman of the executive committee. J. E. Pennypacker continues as managing director of the institute.

Arthur G. Alter has been made merchandising manager for the Revlon Nail Enamel Corporation, this city.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

FIRM established for a number of years with headquarters in Cincinnati, and covering Dayton, Columbus and Louisville, would be interested in representing producers of raw materials used in the paint, rubber, paper, ink or other industries. BOX 752, Oil, Paint and Drug Reporter.

Agents Wanted

NATIONALLY KNOWN manufacturer of putties, paints, caulking compounds, roof coatings, cements, desires sales agents contacting paint, hardware, glazier trades, New York and out-of-town. Attractive proposition to right party. BOX 754, Oil, Paint and Drug Reporter.

Capital Offered

CAPABLE EXECUTIVE with excellent business background wishes to purchase 50 percent interest in established business or will purchase business from retiring owner. Will invest up to $50,000. Highest references exchanged. BOX 746, Oil, Paint and Drug Reporter.

EXECUTIVE, associated with highly effective chemical sales organization, is ready to finance production of basic or intermediary chemical product, patented or patent applied for. Outline your proposition in some detail. BOX 748, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Five Sweetland filters, up to No. 12; twenty plate-frame and recessed types filter presses, iron, bronze, wood, all sizes; forty centrifugal machines up to 60 inches; twenty-five copper jacketed kettles with and without agitators, up to 500 gallons; vacuum dryers, W. & P. mixers, rotary dryers, pulverizers, tanks, kettles, etc. Send us your inquiries. Consolidated Products Company, Inc., 15-17-19 Park Row, New York, N. Y.

FOR SALE—Two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Offered

FOR SALE—One 20" Kent water cooled color mill. BOX 728, Oil, Paint and Drug Reporter.

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street. SPring 7-8955.

FOR SALE.—3 feet by 15 feet rotary vacuum dryer; Hardinge conical mill 6 feet by 36 inches; pebble mills 54 inches by 42 inches,' 36 inches by 42 inches, 30 inches by 18 inches, 15 inches by 18 inches; jar mills; Anderson expeller; filter presses 18 inches and 24 inches square; Stedman 42 inch disintegrator; W. & P. jack. mixer size 15; tablet machines ½ inch to 2 inches single punch and rotary; filling machines, liquid and paste; grinders, pulverizers, roller mills, pumps, copper and glass lined kettles and tanks, etc. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Wanted

WANTED: Two or three good used linseed oil expellers by a foreign buyer. BOX 745, Oil, Paint and Drug Reporter.

Factories Offered

CHEMICAL FACTORY—One story 10,000 sq. ft., high ceiling, concrete floor, no columns, railroad siding, yard, live steam available 24 hours day. Unrestricted district, Newark, N. J. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Positions Vacant

CHEMIST with experience in formulation and application of roller coated protective and decorative finishes for metal. Must be familiar with requirements of metal package industry. None other need apply. BOX 727, Oil, Paint and Drug Reporter.

SALESMEN — Fine soaps, cleaners, polishes, waxes, deodorants. Sixty-year old reliable manufacturer. Full commissions paid weekly. Full or part time. Baum's Castorine Co., Rome, N. Y.

Positions Vacant

SALESMAN.—We have an opening for a capable salesman with an established clientele on agricultural insecticides in the states of Virginia, North and South Carolina. Address Interstate Chemical Mfg. Co., Jersey City, N. J.

Positions Wanted

GRADUATE PHARMACIST, 15 years' experience in pharmaceutical manufacturing, desires a job with a pharmaceutical house or wholesale drug house who makes lots of their own pharmaceuticals. BOX 724, Oil, Paint and Drug Reporter.

CHEMIST and chemical engineer available. Able and steady business-builder with 18 years experience as director of development and as assistant to president. Combined sales, technical and managerial skill. Very broad experience in diversified lines. BOX 743, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, qualified by training and experience to solve intricate chemical, metallurgical, paint and pigment problems. Zinc sulphide, lithopone, titanium, iron, cadmium pigments. Spray metals manufacture. Hydrometallurgical processes. Dry colors, research and development, plant operation. BOX 747, Oil, Paint and Drug Reporter.

STAIN MAN and paint formulator desires steady position. Will locate anywhere. BOX 749, Oil, Paint and Drug Reporter.

WOOD FINISHER, practical with B.S. (chemistry) M.B.A. (accounting) has production proven formulas, stains, thinners, lacquers (nitro, acetate, and ethyl celluloses), wax and synthetic finishes and their low cost application by buffing, tumbling, dipping and spraying. Available May 1st for industrial sales and sales development with paint concern (eight years successful sales engineering experience metropolitan area, in another field) or executive position with wood concern. BOX 750, Oil, Paint and Drug Reporter.

CHEMIST, pyroxylin and cellulose acetate experience, knowledge of plastics, lacquers, paints, resins. B.S. 1935, high scholastic standing; M.S. studies begun. BOX 751, Oil, Paint and Drug Reporter.

Positions Wanted

PRINTING INK and dry color expert, desires position with reliable firm in either field. Will locate anywhere. BOX 753, Oil, Paint and Drug Reporter.

CHEMIST, ten years' experience in analysis and development of flavoring esters and solvents used for same. BOX 756, Oil, Paint and Drug Reporter.

CHEMIST, four years' experience in color matching and analysis in the manufacture of inks and dyes. BOX 757, Oil, Paint and Drug Reporter.

ANALYTICAL CHEMIST (Woman) with one year's experience in the analysis of chemicals used in compounding rubber. BOX 755, Oil, Paint and Drug Reporter.

SALESMAN.—Technical training; at present employed selling oils, resins and raw materials to the paint, varnish and allied trades. Contemplates change. Will travel. Location no object. BOX 758, Oil, Paint and Drug Reporter.

PAINT SALESMAN, large following, New York City, fully experienced, seeks connection with reliable manufacturer. BOX 760, Oil, Paint and Drug Reporter.

CHEMIST.—Paint varnish, expert formulator, 12 years experience with three of the larger concerns, desires position anywhere. Able to make synthetic resins for own use—also three years technical sales experience. BOX 759, Oil, Paint and Drug Reporter.

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Bids Wanted

Acetone:—4,000 pounds; General Purchasing Officer, Panama Canal, Washington, D. C.; schedule 3341, opening April 4.

Acetylene:—Supplies for eastern and western yards; Bureau of Supplies and Accounts; Navy Department, Washington, D. C.; schedule 2942, opening April 1.

Acid, Nitric:—6,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 740, opening March 21.

Acid, Nitric:—25,700 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 3029, opening March 22.

Alum: — 14,965 pounds; Quartermaster, Marine Corps, Washington, D. C.; schedule 654, opening March 21.

Carbon Dioxide:—Supplies for eastern and western yeards; Bureau of Supplies and Accounts, Navy Department Washington, D. C.; schedule 2953, opening April 1.

Calcium Carbide:—25,000 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; circular 799, opening March 28.

Creosote Oil:—6,000 gallons; General Purchasing Officer, Panama Canal, Washington, D. C.; schedule 3341, opening April 4.
10,000 gallons; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington, D. C.; procurement 1831, opening March 22.

Ethylchloride:—11,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 2952, opening April 1.

Fireclay:—Supplies for east and west coast points; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3047, opening March 29.

Fuel Oil:—60,000 gallons; U. S. Engineer Office, Philadelphia, Pa.; circular 322, opening March 21.

Gasoline:—900,000 gallons; General Purchasing Officer, Panama Canal, Washington, D. C.; procurement 3240, opening March 31.

Ethyl:—175,000 gallons; General Purchasing Officer, Panama Canal, Washington, D. C.; procurement 3240, opening March 31.

Green, Chrome:—10,000 pounds; Purchasing Agent, Bureau of Engraving and Printing, Washington, D. C.; opening March 22.

Iron Oxide:—1,400 pounds; U. S. Engineer Office, First District, New Orleans, La.; circular 235, opening March 21.

Laundry Soda:—22,400 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-126, opening March 28.

Starch:—1,400 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-126, opening March 28.

Kerosene:—400,000 gallons; General Purchasing Officer, Panama Canal, Washington, D. C.; procurement 3240, opening March 31.

Lead, White:—5,000 pounds; U. S. Engineer Office, first district, New Orleans, La.; circular 235, opening March 21.

Lime, Hydrated:—10,000 pounds; Quartermaster, Marine Corps, Washington, D. C.; schedule 654, opening March 21.
35,000 pounds; District Supply Officer, Headquarter Trenton District, CCC, Trenton, N. J.; procurement 5219-28, opening March 25.
200,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 737, opening March 23.

Linseed Oil:—54,250 pounds; General Purchasing Officer, Panama Canal, Washington, D. C.; schedule 3341, opening April 4.

Naphthalene:—13,465 pounds of flakes; Depot Quartermaster, Marine Corps, Philadelphia, Pa.; schedule 639, opening March 24.

Nitrocellulose Dope:—8,072 gallons for Seward's Point and Pensacola; Bureau of Supplies and Accounts; Navy Department, Washington; schedule 3003, opening March 22.

Soap, Chip:—20,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; procurement 431-126, opening March 28.

Grit:—5,875 pounds; Depot Quartermaster, Marine Corps, Philadelphia, Pa.; schedule 649, opening March 29.

Toilet:—16,380 pounds; Depot Quartermaster, Marine Corps, Philadelphia, Pa.; schedule 649, opening March 29.

Soda Bicarbonate:—600,000 tablets with special soluble starch; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington, D. C.; procurement 1847, opening March 25.

Soda, Caustic:—14,040 cans; Depot Quartermaster, Marine Corps, Philadelphia, Pa.; schedule 649, opening March 29.
27,400 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-193, opening March 24.

Soda Hypochlorite:—2,600 gallons; District Supply Officer, Headquarter Trenton District, CCC, Trenton, N. J.; procurement 5219-28, opening March 25.

Yellow, Chrome:—50,000 pounds; Purchasing Agent, Bureau of Engraving and Printing, Washington, D. C.; opening March 22.
5,000 pounds; General Purchasing Officer, Panama Canal, Washington, D. C.; schedule 3341, opening April 4.

Zinc Chromate:—1,350 gallons of primer for Philadelphia, Pensacola and San Diego, Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3092, opening April 5.

Zinc Oxide:—4,600 pounds; U. S. Engineer Office, First District, New Orleans, La.; circular 235, opening March 21.
20,000 pounds; General Purchasing Officer, Panama Canal, Washington, D. C.; schedule 3341, opening April 4.

Contracts Awarded

Bottles:—144,000 vaccine bottles; award to Owens-Illinois Glass Company, at 3c. each, by the Medical Division, Brooklyn, N. Y.; procurement 67, opened February 21.

Laundry Soda:—144,000 pounds; award to Solvay Sales Corporation, this city, at $1.42 a pound for six months, less 1 percent, by the Treasury Department, Procurement Division; procurement 2962-S, opened February 1.

Glycerine:—2,500 pounds; award to Harley Soap Company at $428.13, less 1 percent, by the Veterans Administration, Chicago; procurement 643, opened February 18.

Soda Thiosulphate:—5,250 pounds; award to Eastman Kodak Company, Rochester, at $10.89 for 330 pounds, less 2 percent, by the Treasury Department, Procurement Division, Washington, D. C.; procurement 2962-S, opened February 1.

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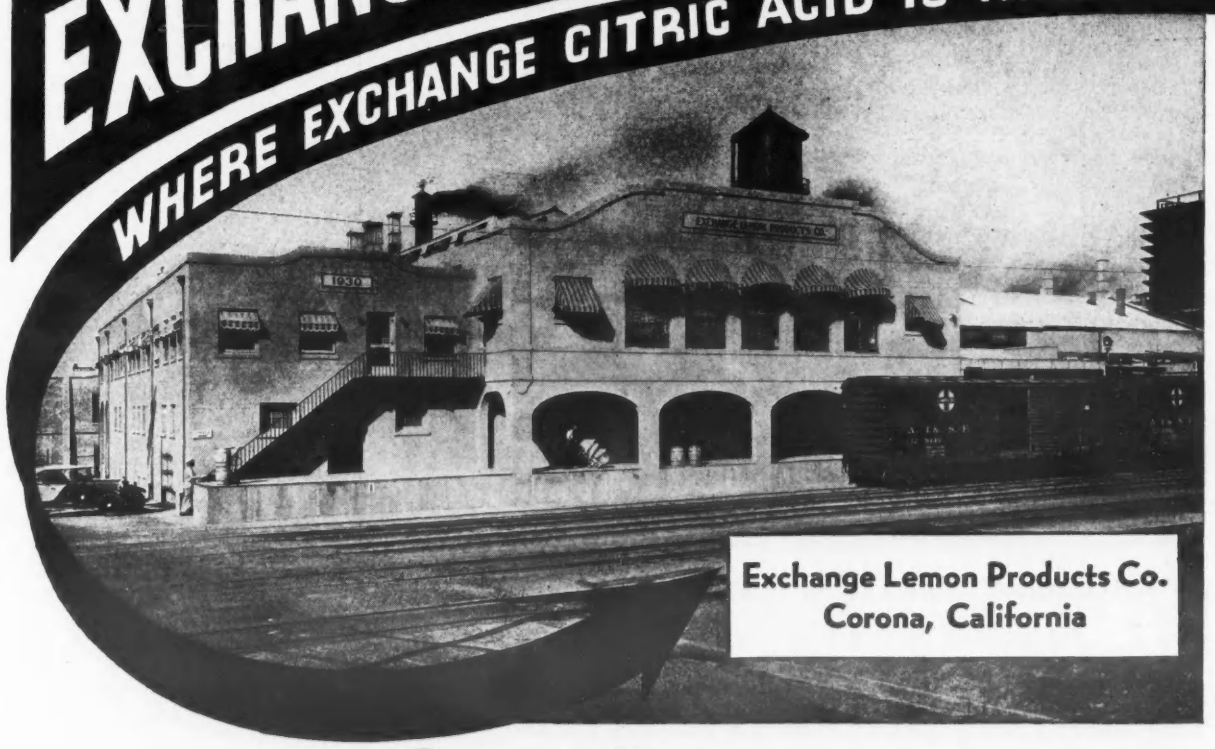

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